

# PEARC23

Practice & Experience in Advanced Research Computing

*COMPUTING FOR THE COMMON GOOD*

## EVALUATION REPORT

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## Executive Summary

The PEARC23 conference, *Computing for the Common Good*, was held July 23 –July 27 , 2023. The seventh annual Practice & Experience in Advanced Research Computing (PEARC) conference acknowledges rapid shifts that have become a constant in the field of advanced computing; the PEARC community’s role in creating new, state-of-the-art methods; and our imperative, as individuals, to achieve an ethical and connected computing future. This report summarizes results from the PEARC23 evaluation activities.

## Summary of Findings

Below are high-level findings from each of the five assessments conducted among attendees and exhibitors:

- The attendance for PEARC23 was above average for an in-person conference, surpassing pre-pandemic levels.
- Across the board, survey respondents rated conference activities highly – including the student and student mentor programs – with *most* at or above 4.0 (on a 5.0 scale) in terms of satisfaction and/or value.
- Most plan to attend, submit a paper, and/or recommend the conference to colleagues in the future.
- Networking with colleagues remains single-most cited reason for attending PEARC23 and most were satisfied with the planned networking and social activities.
- Respondents continue to question the networking event as an extra cost.
- Others noted problems with having speakers during lunch, which discourages networking and conversation, while also providing a poor experience for presenters.
- A significant portion of respondents (86%) agree or strongly agree that they feel a sense of belonging within the PEARC Community.
- For many, the conference schedule and session content were published far too late to adequately assess the value/relevance of attending, planning their travel and conference experience, or justifying the expense of attending. ***This was the most frequently cited deficiency reported.***
- Information on the website was inadequate for planning; some felt it did not provide enough information for new attendees to understand why they should attend or to justify the cost for attendance.
- A few cited the switch to a convention center venue as resulting in PEARC having lost some of what made it “special” and others expressed concern that PEARC not get too big, but most felt the change was positive/beneficial.
- Numerous respondents called out the plenaries as lackluster, not applicable to their work, and/or not appropriate for a broad audience; several noted that NSF panels are not appropriate as plenary sessions because many attendees are not NSF-funded, some are not eligible for NSF-funding, and NSF panelists rarely provide information/insights not already known to the public.

- Many noted the registration process was cumbersome and lengthy, and allowed registration for conflicting events. Others noted that most tutorials/workshops were at capacity when they registered, prompting the suggestion that the conference return to a separate charge for tutorials.
- The “block” or “chunked” schedule, where all papers, BOFs, tutorials, etc., were offered in the same time slots was noted as problematic, precluding those who want to maximize the number of paper presentations (or tutorials or BOFs) they attend from doing so.
- Larger rooms are needed for many sessions; capacity for many popular tutorials was inadequate.
- Tutorials and workshops were largely well received in aggregate, but several individual sessions garnered marginal to very-low to scores in terms of goals achieved for attending, organization, etc. (Individual tutorial evaluations are included in the appendices.) Several raised the notion of offering more tutorials and workshops throughout the week.
- Numerous attendees offered that Portland felt very unsafe, dirty, and/or desolate; others raised the need for more advance information about the host city and/or options (e.g., a forum) for organizing hikes, activities, etc.
- The transit pass was noted as a positive addition.
- Many expressed that food choices were inadequate in terms of limited and repeated offerings, quantities, and specific dietary needs; others lobbied to include breakfast in the conference package, especially if the venue does not have onsite cafes or nearby food options.
- Over 40% percent of those responding are first-time attendees.
- The need for first-time attendee and “beginner” resources and content was noted.
- While efforts aimed at diversity, equity, and inclusion were noted by some respondents, others raised the lack of diversity in conference leadership and among speakers; several questioned the conference’s commitment to diversity efforts.
- Several questioned the value of the exhibitor program.
- The student program and the student-mentor program were generally well received and considered successful by most participants. Participants in both programs would recommend that others participate in the future.
- Among student program participants, the student-mentor program, and the exhibitor speed networking were the most highly rated components; the lightening talks and the Intro to HPC workshop the lowest.
- Exhibitors broadly felt their goals for attending PEARC23 were accomplished and plan to return for PEARC24.
- Exhibitors strongly agreed (4.6/5.0) that their organization’s goals for participating were achieved.

## Summary of Recommendations

Participant feedback suggests that the PEARC23 was generally well received, with major criticisms focused on breakfast, the conference website and registration. While a majority of respondents agreed that the conference was successful, opportunities for general improvement were also identified. These data inform the following recommendations:

- Prioritize timely, clear, and frequent communications with target audiences, and make better use of the website and social media channels to ensure that attendees are aware of schedules and session descriptions. Consider utilizing a more flexible communication application to better inform attendees during the conference.
- Adjust the conference CFP and associated deadlines so that registration can open and the schedule and session content can be publicized well in advance, ideally 16 weeks, but no later than 12 weeks, before the conference begins.
- Ensure that there is sufficient overlap between the when the full program is released and when early registration closes so that prospective attendees have time to evaluate the program while lower registration fees are in effect.
- Make special efforts to communicate the *value proposition* of the PEARC conference.
- Continue to prioritize networking opportunities in the conference schedule by offering longer breaks and lunch sessions.
- Make the networking event a budget priority and include it in the conference package.
- Eliminate speakers during lunch sessions.
- Consider a later start time, especially for conferences held on the East coast.
- Consider a host city in the Central or Mountain time zone as a happy middle ground.
- Be *intentional* in representing the full PEARC community when selecting conference leadership, plenary speakers, committee members, student program participants, session chairs, etc.
- Plenary speakers should appeal to the broadest spectrum of attendees and represent the full diversity of the PEARC community.
- Where possible, streamline the registration process registration for conflicting events.
- Keep “early-bird” registration rates in place until the full schedule is posted.
- Address tutorial/workshop capacity.
- Consider the possibility of returning to a separate charge for tutorials.
- Add selected tutorials to name badges to ensure those who actually registered are not turned away.
- Review past tutorial attendance and use this a factor in assigning rooms.
- Vary the conference schedule to the degree possible so that content of a similar topic/theme (regardless of format) are not conflicting – a track within a track model
- Reduce overlap of session types.
- Consider adding tutorials/workshop throughout the week or on Thursday afternoon.
- Technical committee members should review tutorial and workshop evaluations to make certain topics remain relevant and returning instructors are knowledgeable and well-prepared.
- Consider adding a health and safety sub-committee, to include management of the safe-room and CoC violation reports.

- The conference safe room should be staffed during all conference hours with individuals trained to triage a range of events. The ACM Cares team is insufficient and ill-prepared to handle many issues -- including those of personal health and safety, harassment, bullying, and mental health -- that arise during the conference.
- Continue to offer a broad choice of food options and accommodate special dietary needs.
- Make prominent vegetarian, vegan and gluten free options.
- Budget permitting, include breakfast in the conference package. (This also supports networking goals.)
- With first time attendees representing a 30-40% of attendees (depending on the year), add resources and content for this population (e.g., first-timer meet-up, early-career caucus, conference mentors, first-timers guide.)
- Consider a sub-committee to review needs across all areas of the conference.
- In written communications, as well as from the dais, highlight the value of the exhibitor program and what it make possible (e.g., keeping costs low, providing networking opportunities, increased support for students, etc.) Saying “thanks” is not enough.
- Make the exhibit floor a destination by adding a dedicated exhibitor session the formal agenda.
- The student program leadership should review evaluation data to ensure session content is relevant and leaders/instructors are prepared.
- Provide ample information/resources about expectations and mentees to student-mentors in advance.

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## INTRODUCTION

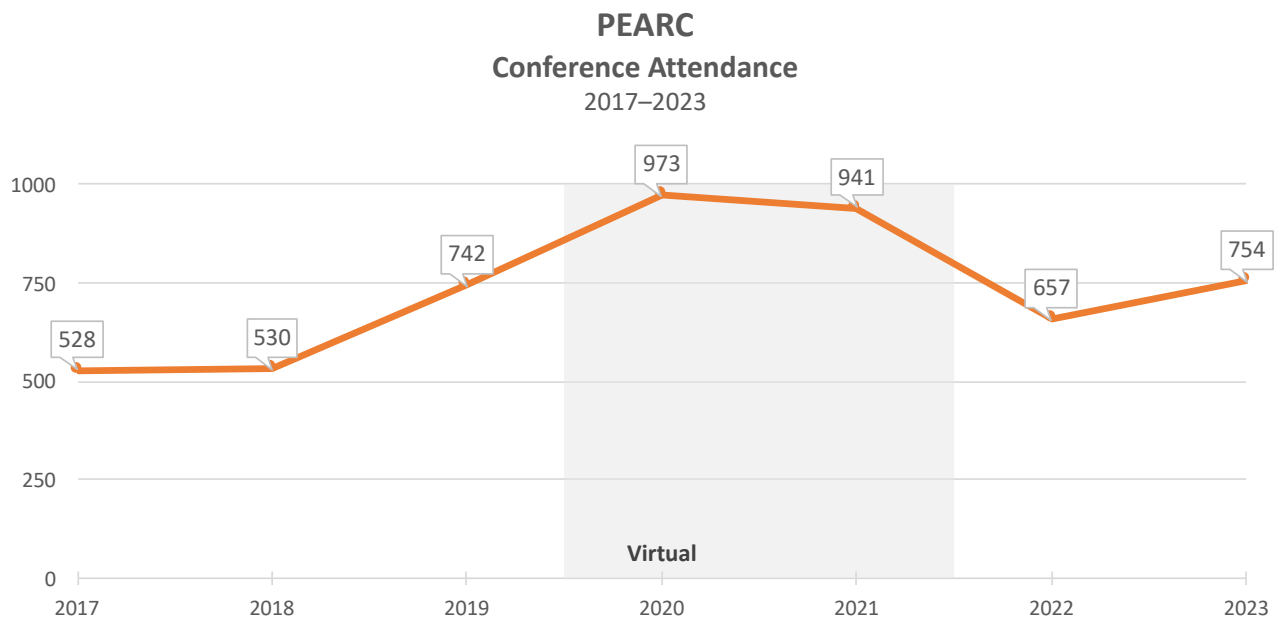
The PEARC23 conference, *Computing for the Common Good*, was held July 23–July 27, 2023. The seventh annual Practice & Experience in Advanced Research Computing (PEARC) conference acknowledges rapid shifts that have become a constant in the field of advanced computing; the PEARC community’s role in creating new, state-of-the-art methods; and our imperative, as individuals, to achieve an ethical and connected computing future.

PEARC23 brought together community thought leaders, cyberinfrastructure professionals, and students to learn, share ideas, and craft the infrastructure of the future. The program offered tutorials, workshops, plenary talks, and in-depth technical content that served to inform experts in the field, while also providing introductions to the tools, technologies, and methods of computational science to new community members, students, and young professionals.

PEARC23 also continued its student, student-mentor, and exhibitor programs and diversity efforts, bringing together researchers, technologists, industry professionals, students, and prospective community members from underrepresented groups, diverse backgrounds, and new disciplines.

PEARC23 attendance was above average for an in-person PEARC conference (Figure 1).

Figure 1. PEARC conference attendance, 2017–2023



## METHOD

Evaluation of the PEARC23 conference consisted of five participant surveys:

- General conference
- Workshop/Tutorial
- Student program
- Mentor
- Exhibitor

Conference participants were sent email invitations (and multiple email reminders) to complete surveys for the full conference and all workshop/tutorial sessions for which they had registered. Students and mentors were likewise invited to complete surveys for their programs. Conference exhibitors were invited to complete an in-person, offline survey about their experience. Surveys were conducted via Qualtrics software. Because all questions in all assessments are optional, the N varies from question to question and represents the number of responses to each question.

## RESPONDENTS

Response rates for PEARC23 conference assessments ranged from 26.1% to 87.0% (Table 1).

*Table 1. Survey response*

Survey	Number in Sample	Number of Responses	Response Rate
General Conference	592	202	34.1%
Workshop/Tutorial	617	161	26.1%
Student Program	46	29	63.0%
Mentor	35	18	51.4%
Exhibitor	23	20	87.0%

Many of the respondents to the full conference survey (Table 2) were first-time attendees (43.7%, 76/174). Over 60% of respondents support campus research computing resources (60.3%, 105/174). Nearly half of respondents identify as research staff (17.1%, 30/175) or research computing and data operations/support staff (32.0%, 56/175), while roughly a quarter are in executive/leadership roles (29.1%, 51/175). Most attendees cited networking with colleagues (83.3%, 145/174) or attending presentations (61.5%, 107/174) as their primary reasons for attending PEARC23.

All students who participated in the PEARC23 Student Program were invited to participate in the post-conference student assessment (Table 3). All students responding were first-time attendees (100%, 19/19). Over half of the students heard about PEARC23 from institutional sources (via their school, department, or faculty advisor (57.1%, 12/21).



Table 2. Full conference survey respondent demographics

PEARC relationship (Select all that apply.)	Number of Responses	Percentage of N (174)
This is my first time attending PEARC conference	76	43.7%
I am a Campus Champion	44	25.3%
I operate or support campus research computing resources	105	60.3%
I operate or support federally-funded research computing resources	61	35.1%
I operate or support research computing resources funded by some other organization	18	10.3%
I am part of an advanced cyberinfrastructure organization or project	48	27.6%

Primary reasons for attending the PEARC23 conference (Select up to 3.)	Number of Responses	Percentage of N (174)
Make a presentation	67	38.5%
Attend presentations	107	61.5%
Attend tutorials and/or workshops	99	56.9%
Network with colleagues	145	83.3%
Interact with funding agency representatives	21	12.1%
Attend exhibitor forums/interact with exhibitor representatives	16	9.2%
Get technical information/specifications	16	9.2%
Demo and/or exhibit projects	3	1.7%
Demo products/participate in an exhibit	3	1.7%
Other	10	5.7%

Job title / Academic status	Number of Responses	Percentage of N (175)
Executive leadership (e.g., VP, CIO, director, manager, etc.)	51	29.1%
University faculty or equivalent	8	4.6%
Research staff	30	17.1%
Research Computing and Data operations/support (non-executive leadership)	56	32.0%
Postdoctoral fellow	0	0.0%
Graduate student	15	8.6%
Undergraduate student	4	2.3%
High school student	0	0.0%
Corporate/Industry professional	3	1.7%
Other	8	4.6%

Race/Ethnicity (Select all that apply.)	Number of Responses	Percentage of N (174)
American Indian or Alaska Native	2	1.1%
Asian	28	16.1%
Black or African American	6	3.4%
Hispanic or Latino	7	4.0%
Middle Eastern or North African	1	0.6%
Native Hawaiian or Other Pacific Islander	0	0.0%
White	115	66.1%
Other	2	1.1%
Prefer not to disclose	21	12.1%

Gender	Number of Responses	Percentage of N (175)
Male	109	62.3%
Female	43	24.6%
Non-binary	4	2.3%
Prefer to self-describe	1	0.6%
Prefer not to disclose	18	10.3%

Table 3. Student program survey respondent demographics

How did you hear about the PEARC conference? (Select all that apply.)	Number of Responses	Percentage of N (21)
Another conference	0	0.0%
College	5	23.8%
Department	4	19.0%
Faculty advisor	3	14.3%
HPCUniversity.org website	0	0.0%
Shodor website	0	0.0%
Student organization	0	0.0%
XSEDE website, event, and/or training	2	9.5%
Other	7	33.3%

PEARC relationship (Select all that apply.)	Number of Responses	Percentage of N (19)
This was my first time attending a PEARC conference	19	100.0%
I use ACCESS resources (computational, training, outreach, etc.) for my research/work	6	31.6%
I attended as part of a Research Experience for Undergraduates (REU) program	1	5.3%
I attended as part of an ACCESS program	1	5.3%

Job title / Academic status	Number of Responses	Percentage of N (19)
Postdoctoral fellow	0	0.0%
Graduate student	11	57.9%
Undergraduate student	8	42.1%
High school student	0	0.0%
Other	0	0.0%

Race/ethnicity (Select all that apply.)	Number of Responses	Percentage of N (18)
American Indian or Alaska Native	1	5.6%
Asian	9	50.0%
Black or African-American	0	0.0%
Hispanic or Latinx	4	22.2%
Middle Eastern or North African	0	0.0%
Native Hawaiian or Other Pacific Islander	0	0.0%
White	7	38.9%
Other	0	0.0%
Prefer not to disclose	1	5.6%

Gender	Number of Responses	Percentage of N (18)
Male	9	50.0%
Female	6	33.3%
Non-binary	1	5.6%
Other	1	5.6%
Prefer not to disclose	1	5.6%

Parent / guardian level of education	Number of Responses	Percentage of N (18)
High school or less	5	27.8%
Some college	3	16.7%
Associate's (two-year) degree	1	5.6%
Bachelor's degree	3	16.7%
Master's degree	4	22.2%
Professional doctoral degree (e.g., MD/DO, EdD, DMD, DDS, OD, EED, DSc, etc.)	0	0.0%
PhD	2	11.1%
Other	0	0.0%

## FINDINGS

### General Conference

**OVERALL RESPONSE.** Respondents to the general conference survey rated the value of conference activities (Table 4) and their satisfaction with the conference (Table 5). The networking opportunities (4.48/5.00), along with the Tuesday evening networking event (4.37/5.00), were seen as the most valuable aspects of the conference. The plenary sessions were among the lowest rated conference activities, with all rated at below 4.0 on a 5.0 scale.

Respondents agreed or strongly agreed that the conference sessions were well organized (92.4%, 170/184); that their goals for attending the conference were achieved (95.1%, 175/184); and that the knowledge and skills gained at PEARC23 will contribute to their work/research (93.3%, 169/181). Broadly, communications was cited as an area in need of improvement, with the conference website (as a resource for planning the conference experience) (3.61/5.00) and the advertisement of the conference (3.68/5.00) the lowest rated items.

When asked about the strengths of PEARC23, respondents pointed to the breadth of topics, the quality of the content and presenters, and the networking opportunities. Some comments include:

- 
- *It brings together the 'doers' across advanced computing sciences where we can share ideas and understand how our work fits together.*
- *It works harder at being inclusive than other HPC conferences I've been to. It seems to attract a different, more diverse community of attendees, which I liked.*
- *The technical talks and tutorials. Having tables to sit at in all the presentation rooms. Really help in taking notes on a laptop computer.*
- *I really appreciated the steps towards inclusion/accessibility like having a quiet room, and the "diversity" ribbons for nametags. There was a nice mix of panels/talks/tutorials. I mainly used the c-vent app and it worked well for me.*
- *The culture fostered is very supportive and welcoming. It was my first time but many people I talked to were encouraging and willing to support someone new in their career to get guidance on how best to transition into the field.*
- *I understand our field has a terrible lack of gender diversity, but I feel at least that the emphasis and the number of conversations around this that I was part of were fully supported by PEARC.*
- *Great people, both students and mentors that were welcoming, diverse, and inspiring. Although this is my first conference, I do not think I'll have anything surpass my experience at PEARC due to the people I met and the things I learned. This was an extremely rewarding conference to take part in, and I am so grateful for the opportunity I was given to attend.*
- *The access it offers to the experience and expertise of my peers. Its highly-competent and unpretentious organization.*
- *The wealth of knowledge, technical networking, and professional networking are uniquely valuable at PEARC.*
- *Location, location, location - Please do not ever NOT do PEARC at a convention center ever again. PEARC has grown too large for events to be held at a hotel, meeting rooms were so much better than past PEARC conferences, there was also a lot more room for networking and impromptu meetings. Good, thoughtful plenaries. It is great that PEARC is inviting speakers from non-traditional and interdisciplinary fields for the plenary sessions. The complimentary transit pass idea was brilliant! I used it all the time during my time in Portland.*

- *It is a great community and the conference is small enough that you can meet other people and start collaborations. The material and focus aligns well with my role as Lead of Education, Training and Outreach, in fact it is nice to be at a conference where Education, Training and Workforce development is a first class citizen.*
- *The convention center was great! We should do that again. The networking events were the best thing. Just hanging out with other PEARC attendees was the highlight of the conference for me.*
- *Lots of opportunities for interacting with people and engaging in open discussion which was really great. Also, nice open area for networking with other individuals during the break. Great selection of talks/BoFs/posters/speakers. I enjoyed every session that I went to and walked out learning something new. Everyone was so friendly and passionate about their domain of expertise.*
- *Every session in the Student program was meticulously designed with the students' benefits in mind. I thoroughly enjoyed each session as they actively engaged both students and the presenters or mentors alike. The conference provided incredible opportunities for networking throughout its entirety.*
- *The people, everyone I approached was very friendly and interested in hearing what I had to say or willing to answer my many questions. I was intimidated by the networking event, but it was a great experience!*

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Table 4. Value of conference activities

Activity	Not at all valuable (1)		Not very valuable (2)		Neutral value (3)		Valuable (4)		Extremely valuable (5)		Mean	Std Dev	Did not attend	Total
Tuesday, July 25: Plenary (D.K. Panda)	4	2.9%	8	5.8%	29	21.0%	65	47.1%	32	23.2%	3.82	0.95	36	138
Tuesday, July 25: Plenary (Suzanne A. Pierce)	2	1.6%	4	3.1%	24	18.6%	62	48.1%	37	28.7%	3.99	0.86	45	129
Wednesday, July 26: Plenary (Ilkay Altinas)	0	0.0%	2	1.6%	31	24.2%	67	52.3%	28	21.9%	3.95	0.72	46	128
Wednesday, July 26: Plenary (NSF Program Officers Panel)	4	3.1%	4	3.1%	24	18.9%	61	48.0%	34	26.8%	3.92	0.93	46	127
Thursday, July 27: Plenary (Al Kuslikis)	4	4.4%	4	4.4%	26	28.9%	39	43.3%	17	18.9%	3.68	0.98	79	90
Visualization Showcase	0	0.0%	5	4.7%	16	15.0%	57	53.3%	29	27.1%	4.03	0.78	65	107
Poster Session	1	0.7%	2	1.5%	15	11.2%	80	59.7%	36	26.9%	4.10	0.7	38	134
Exhibitor Program	0	0.0%	5	3.3%	34	22.5%	83	55.0%	29	19.2%	3.90	0.73	22	151
Networking opportunities at conference	0	0.0%	2	1.2%	8	4.7%	67	39.4%	93	54.7%	4.48	0.64	5	170
Tuesday evening networking event	1	0.6%	0	0.0%	13	8.4%	67	43.5%	73	47.4%	4.37	0.69	20	154

Table 5. Full conference satisfaction

Statement	Strongly disagree (1)		Disagree (2)		Neither agree nor disagree (3)		Agree (4)		Strongly agree (5)		Mean	Std Dev	N/A	Total
The knowledge and skills I gained at PEARC23 will contribute to my work/research.	2	1.1%	0	0.0%	10	5.5%	96	53.0%	73	40.3%	4.31	0.68	6	181
The information on the conference website was adequate for planning my PEARC23 experience.	7	3.8%	34	18.3%	25	13.4%	78	41.9%	42	22.6%	3.61	1.13	0	186
In general, the conference sessions I attended were well organized.	1	0.5%	2	1.1%	11	6.0%	105	57.1%	65	35.3%	4.26	0.66	2	184
The conference schedule allowed sufficient time for breaks and informal meetings/networking.	5	2.7%	2	1.1%	12	6.6%	82	44.8%	82	44.8%	4.28	0.85	3	183
The submission process was efficient.	4	3.4%	3	2.5%	16	13.4%	60	50.4%	36	30.3%	4.02	0.92	66	119
Submission deadlines were reasonable.	1	0.8%	6	4.8%	16	12.7%	64	50.8%	39	31.0%	4.06	0.83	59	126
Presenting at PEARC23 will enhance my career.	1	0.8%	0	0.0%	23	17.7%	57	43.8%	49	37.7%	4.18	0.77	55	130
I plan to submit to a PEARC conference in the future.	2	1.2%	5	2.9%	35	20.5%	66	38.6%	63	36.8%	4.07	0.89	13	171
The conference was well advertised (i.e. website, social media, etc.).	3	1.7%	14	8.0%	50	28.7%	75	43.1%	32	18.4%	3.68	0.92	11	174
The online registration process was efficient.	6	3.2%	9	4.9%	20	10.8%	96	51.9%	54	29.2%	3.99	0.94	0	185
There was an adequate variety of sessions offered during the conference.	1	0.5%	6	3.3%	20	11.0%	99	54.4%	56	30.8%	4.12	0.77	2	182
I was satisfied with the food and beverage provided at the conference.	6	3.3%	20	11.0%	15	8.2%	83	45.6%	58	31.9%	3.92	1.06	1	182
I was satisfied with the conference hotel options (e.g., cost, facilities, location).	5	2.8%	12	6.8%	15	8.5%	77	43.5%	68	38.4%	4.08	0.99	8	177
I was satisfied with the conference venue (Oregon Convention Center).	5	2.7%	4	2.2%	9	4.9%	77	41.6%	90	48.6%	4.31	0.88	0	185
The scheduled social and networking activities helped build camaraderie among attendees.	2	1.1%	1	0.6%	12	6.7%	93	51.7%	72	40.0%	4.29	0.71	5	180

Statement	Strongly disagree (1)		Disagree (2)		Neither agree nor disagree (3)		Agree (4)		Strongly agree (5)		Mean	Std Dev	N/A	Total
	1	0.5%	3	1.6%	22	12.1%	80	44.0%	76	41.8%				
I feel a sense of belonging in the PEARC community.	1	0.5%	3	1.6%	22	12.1%	80	44.0%	76	41.8%	4.25	0.77	3	182
I plan to attend PEARC24.	1	0.5%	4	2.2%	26	14.1%	67	36.2%	87	47.0%	4.27	0.82	0	185
My goals for attending the conference were achieved.	1	0.5%	0	0.0%	8	4.3%	97	52.7%	78	42.4%	4.36	0.62	1	184
For the financial investment I made to attend the conference, I am happy with what I gained.	2	1.1%	4	2.2%	24	13.3%	86	47.5%	65	35.9%	4.15	0.81	4	181
I would recommend this conference to my colleagues.	1	0.5%	2	1.1%	11	5.9%	81	43.8%	90	48.6%	4.39	0.70	0	185

**QUALITY OF CONTENT, PLENARY, AND TRACK SESSIONS.** Most respondents agreed or strongly agreed that knowledge and skills gained would significantly contribute to their work and research (93.3%, 169/181) and that the conference offered an adequate variety of sessions (85.2%, 155/182). While respondents broadly lauded the quality and content offered at PEARC23, many were critical of some plenary content, while others offered constructive feedback about future content offerings. Comments include:

- *Continue with both the technical tracks and the workforce development/education tracks. Include a track/session for newly emerging technologies.*
- *[Add a] Cybersecurity focused track.*
- *Perhaps creating a visualization technical track, to allow for a more formal session for researchers to present their visualization projects and paper submissions - in addition to a fun expo-like visualization showcase.*
- *...align the plenary presentations with each of the primary tracks of the conference - not just big names and projects, but make sure that there is at least 1 plenary talk for each track - this will affirm the professional nature and value of the tracks*
- *The final plenary was, in my opinion, not very well put together. It started out very interesting, but never really got to a point. The speaker struggled to understand questions and provide insightful answers.*
- *Thursday Plenary: I was not interested in this topic, the session was scheduled too early in the day (as were the other plenary sessions), and snacks were not provided (unlike the other plenary sessions)*
- *The plenary sessions were challenging with small screens and poor audio, and poor time management - this completely fell apart with the final plenary. I'm not sure why we tried to have lightning talks over lunch, that was just sad for those presenting as it was an impossible situation. The networking event, was just kind of strange. The poster and vis showcase, were also sad and small.*
- *NSF panels are generally of very little value to conference attendees. Panelists solely talk about opportunities out currently that can be easily accessed via the NSF websites. Panelists are extremely unwilling to share anything outside their strict and confined talking points. Most of the answers provided to questions posed by the audience were completely useless and provided no attempt to actually answering the question.*
- *I am not eligible for NSF funding so the talk wasn't valuable to me.*

- *This is the ideal conference for our community of research computing professionals, giving people from training, workforce development, user support, scientific applications and systems administration backgrounds the opportunity to interact. The technical program is excellent. The conference seems to have become more competitive over the years and this is reflected in the quality of paper, posters, visualizations, panels and BOFs. PEARC23 just might be in the Goldilocks zone for conference size - big enough to feel exciting and dynamic, but not so large as to feel overwhelming...*
- *...The visualizations this year were incredible, but there should have been a dedicated set up for every presenter, especially given that they were treated so seriously during submission and will be in the proceedings. The visualizations were encouraged to be interactive, but then were forced to be shouted presentations by the authors in 15 minute windows.*
- *... Additionally the tutorials need a bit of improvement - me and my colleagues in other tutorials were not terribly impressed since many were simply running through ones available online and didn't really offer much extra information.*
- *There's a student program, but maybe have an early career program of some sort. Some sessions seem to be repeats year after year, so having new topics and presentations.*
- *Maybe some entry level workshops? I'm a new resear[r]ch technology facilitator for my campus and I have experience in Linux but mostly just as a small personal server instance. There [i]s so much knowledge that was over my head that made me feel like a small fish in an ocean at times. It's a large ask for such an edge case situation so I'd understand if this wasn't deemed feasible.*

**PAPER SUBMISSION.** Respondents mostly agreed or strongly agreed that the submission process was efficient (80.7%, 96/119) and that submission deadlines were reasonable (81.7%, 103/126). Most felt that presenting at PEARC23 will enhance their career (81.5%, 106/130) and plan to submit to a PEARC conference in the future (75.4%, 129/171). Comments suggest there is still some confusion about and opportunity for improvement to the submission process:

- *...There was a lot of talk about the conference being "too academic." This is concerning as without the "academic" parts of the conference many would no longer attend and the event would lose its high standing. Some of the discussion was in the sense of contributing to the conference as being daunting. This is true, as short papers, co-located events, and posters had the same April 21 deadline (3 months ahead of conference for a POSTER) and publishing can be especially intimidating. Posters being due in June and a non-proceedings option would have lightened this "too academic" complaint...*
- *The ACM method of submitting a full paper as a request to do a conference presentation is antiquated and burdensome, especially for people who don't come from traditional academic backgrounds. Plus a good paper != a good conference presentation. Consider using abstract submission like most conferences, with the option to write a full paper later like RDAP.*
- *The submission process is complicated, and not well explained. There are too many steps and too many systems where the author has to re-format and re-upload the paper. The submission & review process should be consolidated to a single website / app with clear instructions indicating what stage your submission is at in the process, and what needs to be done. I think the conference should forgo serving food other than the light snacks & refreshments during the breaks. Instead, grant more time for attendees to go out for lunch, and consider extending the conference into Friday to allow for the extra time.*
- *...The deadline for the camera ready articles (Jun 16) was over a month in advance of the conference (July 23), yet the published proceedings are still not available (Aug 1) ...The strict adherence to a single ACM template is ridiculous... The submissions for posters and short papers being due the same day is asinine. The registration delays made the conference that much harder to budget...The student program deadline being ahead of published submission deadlines is non-ideal.*
-



**VENUE AND LOCATION.** While a few respondents cited the switch to a convention center venue as resulting in PEARC having lost some of what made it “special” and others expressed concern that PEARC not get too big, most respondents felt the change was positive and beneficial. Some 90% agreed or strongly agreed that Oregon Convention Center venue (90.2%, 167/185), as well as local hotel options (82.9%, 145/177), were satisfactory. Many respondents, however, raised serious concerns about the host city and the areas around the convention center, expressing that Portland felt very unsafe, dirty, and/or desolate. A few praised the transit pass as a huge plus for attendees, while others raised the need for more advance information about the host city and/or options (e.g., a forum) for organizing hikes, activities, etc. Some comments include:

- *Location, location, location - Please do not ever NOT do PEARC at a convention center ever again. PEARC has grown too large for events to be held at a hotel, meeting rooms were so much better than past PEARC conferences, there was also a lot more room for networking and impromptu meetings. Good, thoughtful plenaries. It is great that PEARC is inviting speakers from non-traditional and interdisciplinary fields for the plenary sessions. The complimentary transit pass idea was brilliant! I used it all the time during my time in Portland.*
- *The space was great this year, plenty of room.*
- *Maybe try a smaller city in the central US. Des Moines. Minneapolis. St. Louis. This is not such a large conference, a smaller venue may improve experience without larger city issues.*
- *Continue to keep it in a transit-focused city. The transit options from the airport to the convention center were amazing, easy, and quick....*
- *[f]ood was not awesome; while the venue was fine, [i] think that some of what makes PEARC unique was lost by moving to a convention center*
- *Consider locations that are more friendly to pedestrians and those depending on mass transit. It was great that we were given the HOP pass, but using the trains was unpleasant and sketchy. Folks I was with did not feel safe.*
- *Make sure to pick a safe venue. I felt a little unsafe venturing out beyond the conference center. It was nice when PEARC was in a single hotel in a safe city with good food options nearby...*
- *I, unfortunately, was unable to get a conference hotel that was close to the convention center. I was in the DoubleTree and it was a) far/further way from the convention center it felt unsafe walking by myself to/from CC to hotel, especially at night. There were multiple homeless people and people on drugs on the way to/fro[m] and the streets were not otherwise well populated. Many business seemed to be shut down around the hotel. It made networking after the conference difficult. I did not take the train because it felt more unsafe to wait alone on the platform and then once on, it seemed unsafe b) the hotel itself was dark, smelly and outdated*
- *While I had high expectations for the city of Portland, I was dismally disappointed. Past locations have been wonderful and I know this was an outlier beyond control of the conference planners, but I look forward to meeting in a stronger location again next year. Otherwise, I enjoyed this year's PEARC tremendously, as I always do.*
- *So, Portland is a cool town. Unfortunately, it has had some social-economic issues over the past several years. The conference center is basically located in one of the "rougner" areas of Portland. It is also a bit more expensive to fly-in than other locations.*

- *To be honest - I hated the location of the conference, and many other attendees stated to me in conversation that they did not feel safe in the area due to the large homeless population around the convention center. I had an amazing time inside the venue meeting all sorts of cool and interesting people, but after the days' activities were over I went straight back to my hotel room and did not make an effort to explore the city. My first day at the event I was cursed out by an individual for not giving them money, and other days I had to avoid dangerous looking individuals walking back to my hotel. I also avoided certain restaurants because the homeless would come in to harass patrons. I also witnessed several other conference attendees be harassed by the homeless as they were walking towards the convention center. Like I said, I really enjoyed the conference, however, I would strongly prefer that a safer location is chosen in the future. I would like to feel safe so that I feel more encouraged to go out with new connections that I have made at the event.*
- *...While Portland has many things to offer, issues of [perceived] safety greatly influenced my choices about cultural/food/recreation activity. For reference, I've lived most of my life in major US or international cities (NYC, Philadelphia, Seattle, Ankara). As a tourist, I've almost never felt as concerned about personal safety while walking in 'good' neighborhoods, during the day, as I have in Portland.*

**NETWORKING AND BREAKS.** Similar to pre-pandemic PEARC conferences, networking with colleagues was the top reason given for attending PEARC23 by some 83% of respondents. Some 90% (89.6%, 164/183) of respondents agreed or strongly agreed that the schedule provided enough breaks for informal meetings/networking and over 90% (91.6%, 165/180) felt that scheduled social and networking activities helped to build camaraderie among attendees. Also of note and supporting the importance of networking opportunities, some 86% (85.7%, 156/182) express that they feel a strong sense of belonging in the PEARC community. While many cited the opportunities for networking as a strength of the conference, others expressed a desire for even more networking opportunities and offered ideas for expanding and improving working opportunities:

- *I love the community and feel a strong sense of belonging in it. The conference is a great size with a great variety of topics and a great format for being able to connect with others and learn about their work. I appreciated that lunches were long enough to be able to network with colleagues, that the networking reception was covered by exhibitors (I found \$90 to be prohibitively expensive otherwise), and that the sessions were easy to get to and pop in and out of. I also appreciated being able to get a professional headshot taken.*
- *The networking events were the best thing. Just hanging out with other PEARC attendees was the highlight of the conference for me.*
- *...Paid networking events are terrible, please do away with them...*
- *Please continue to give great attention to offering activities (both at the networking reception and throughout the conference) that are effective at helping socially-challenged attendees interact with other attendees more. Please consider consulting specialists in this like scout leaders, elementary-school teachers, and high-school athletic coaches. Nothing dramatic or forced, just please continue to look for natural opportunities to enhance the community-building social opportunities of the conference, especially with attention towards attendees who may be considerably less natural or comfortable interacting socially.*
- *[Regarding] The networking event turmoil. I despise paid networking events on principle, because they are essentially a property qualification. Yes, an intentional artificial barrier to only accept those who can afford it. Apart from the overall moral stand ("if you WANT people to network, you should not make them pay for that"), this also puts many into a bind (good luck explaining the charge to management or university accounting office). TL;DR: if you can't make external networking event free to begin with, then the moral solution would be to not make it at all. This recent tendency of paid events (equivalent to a "we do not welcome poppers" declaration) is extremely disturbing to me. The privilege rubs straight against all the noble inclusivity talks.*

- *I would like to see the Tuesday networking event to have more organized interactive activities to encourage more interactions. I feel that lunch time talks should have been a separate session. A lot of people wanted to interact with other attendees and not paying attention to the talks.*
- *I would like to see the Tuesday networking event to have more organized interactive activities to encourage more interactions. I feel that lunch time talks should have been a separate session. A lot of people wanted to interact with other attendees and not paying attention to the talks.*
- *Support for first-time conference-goers, and the structure of the networking events made it easier for me as a socially-unskilled person to meet new people more easily.*

**REGISTRATION AND CONFERENCE WEBSITE.** Most respondents agreed or strongly agreed that the registration process was efficient (81.1%, 150/185), though some expressed frustration with its length. Many fewer (64.5%, 120/186) agreed or strongly agreed that the information on the conference website was adequate for planning their PEARC23 experience. Many raised that the conference schedule and session content were published far too late to adequately assess the value/relevance of attending; planning their travel and conference experience; or justifying the expense of attending. ***This was the most frequently cited deficiency reported.*** A number of respondents noted areas for improvement in the online registration process, as well as the conference websites and schedule:

- *Providing planning details further in advance and ensure information provided on the website is consistent and accurate.*
- *Improved information earlier on the website, please!*
- *The website needs more information on all aspects of the conference earlier than when they were available. Especially surrounding who should attend and what types of submissions are typically presented etc.*
- *The PEARC website didn't really help me understand what the conference was and who it was for, I'm very thankful that I was able to attend but I was confused leading up to the conference. It wasn't until day two or three of the conference that I knew what the acronym stood for. Registration was a little overwhelming as well, not having a description of the sessions lead me to initially not sign up for many sessions. Also, the organization of how the events on the registration page was confusing. The Cvent application, however, was incredibly useful for finding sessions once I was at the conference.*
- *The full program was not released until very close to the conference, so it was almost impossible to register with that information, requiring early registrants to register "just because it's PEARC" rather than guided by content. At registration time, selecting the workshops to participate in was hard, as they were presented in a multi-day, multi-schedule list. It would be better to see a table or something more visual. The schedule had breaks, but it ran pretty long (from about 8:30 AM to almost 6 PM). Finally, the last event (poster session) did not have a single option for people with dietary restrictions, contrasting with what was served in the Tuesday networking event, the lunches, and the breaks. Interestingly, the poster session had the fanciest menu (fish eggs, duck, lamb), so it's really hard to accept the lack of options here.*
- *I was shocked at how late registration finally opened up for this conference. I'm much more familiar (and comfortable!) registering for conferences months in advance, not just a few weeks.*
- *The detailed conference schedule was not available early enough. Initial schedule had too little information to plan what to attend. Some room sizes were too small.*
- *The schedule - even high level - was posted way too late for making travel arrangements. Knowing what workshops, receptions, etc. are offered is critical on knowing when to arrive. I had to rely on asking colleagues about previous PEARCs hoping it would continue. If I was a first-timer or new to the community, I'd have felt really uninformed.*

- *Pardon me for putting this in terms of negatives; but addressing the challenges below would help improve the conference experience. ON THE AGENDA The full program with abstracts is needed. Both in web & downloadable formats (HTML, PDF). The Cvent agenda on the web does not have the abstract; the same with Cvent app. The Cvent app cannot be deployed on a rooted mobile device. I don't think this is a right constraint to have. I was able to work around this, but it was inconvenient at first. Our event calendar should be accessible from the web version of Cvent as well. Maybe login is required too for this capability; I don't see that this year...*

**FOOD, BEVERAGE, AND CONFERENCE ENVIRONMENT.** As observed during past PEARC conferences, creature comforts remain a very important aspect of attendees' overall conference experience. And while over three-quarters (77.5%, 141/182) of respondents agreed or strongly agreed that they were satisfied with the food and beverage provided, many pointed to the lack of breakfast as a source of frustration. Others expressed a desire for greater availability of coffee throughout the day, as well as accommodations for specific dietary requirements. As previously noted, respondents were largely satisfied with the conference venue, but cited room size, the availability of power outlets, and a lack of accommodation for those with hearing impairments as pain points. Some comments include:

- *The food options were more limited than comparable conferences (past PEARC, SC, etc.) - there was difficulty with vegetarian lunch selections and the food at breaks (particularly pre-lunch and during the poster reception) had few fruit or healthy options. Given that virtually every attendee has a laptop, there were very few power options available in the session rooms (typically only one power strip for every 3 or 4 rows).*
- *The lunch options could have been better. The service was amazing but the taste and quality of the food would vary. My favorite meals were the brisket and mac n cheese.*
- *...the last event (poster session) did not have a single option for people with dietary restrictions, contrasting with what was served in the Tuesday networking event, the lunches, and the breaks. Interestingly, the poster session had the fanciest menu (fish eggs, duck, lamb), so it's really hard to accept the lack of options here.*
- *The food at the Oregon Convention Center was outstanding. Brisket at lunch, duck pot stickers and lamb appetizers at the poster session, excellent variety of local food at the networking event! Only complaint is that the morning breaks could have been a little heartier.*
- *... I think the conference should forgo serving food other than the light snacks & refreshments during the breaks. Instead, grant more time for attendees to go out for lunch, and consider extending the conference into Friday to allow for the extra time.*
- *Please consider providing breakfast at the conference venue. The Hyatt did not have a cafe (just a gra[b] and go market with very few options) which meant it was difficult for those of us who need substantial meal to start the day.*
- *If you schedule PEARC in a location where all of the nearby hotels don't provide breakfast, it would be nice if the conference provided breakfast. The for-purchase hotel breakfast was more expensive than the allowed per diem for my institution. The Hyatt across the street from the convention center wanted \$27 for breakfast!*
- *...The conference fee is high enough to afford food/coffee being refilled. That's pretty miserable not to get coffee or food, having to be somewhere at 8 am :(*
- *Add breakfast back!*

- *I understand that there may have been some limitations when it comes to providing a variety of dietary options at the conference. However, there were attendees, including myself, who follow Halal dietary restrictions. It would have been beneficial if this could have been facilitated. Due to the lack of Halal food options, I found myself unable to partake in most of the meals provided during the conference...It would be greatly appreciated if future events could consider and cater to these dietary requirements to avoid such situations.*
- *The food was not great and repetitive (lack of variety - same food served multiple times throughout the event - e.g. only so many charcuterie boards you can have). 2) Since there was no breakfast, I understand break food was meant to replace that, but by the time I got to the break, the food was all gone. There just was not enough and the conference fee is still significant.*
- *The sound in the rooms weren't great for those with hearing impairments*
- *I would suggest to ensure that rooms are large enough to fit the number of attendees that could be interested. I missed multiple strategic sessions because there wasn't room for me to join. Over sizing is better than under sizing.*
- *Provide appropriately-sized rooms. The room I presented in was too small, and people were left standing in the back, sitting on the floor, and even finding me afterwards for a recap since they could not get in the door.*
- *The meeting rooms were far too small - many of the sessions that I wanted to attend did not even have standing room*
- *Room was cold! Not enough power outlets.*
- *The sessions had valuable information but the sessions had tech difficulties either the Wi-Fi was inadequate or difficulties on the presenters end. Most issues were resolved but the biggest issue was lack of power outlets.*
- *WiFi could be better, and more power plugs would be very helpful during tutorial/workshop.*
- *...More power strips (one per table) would be helpful.*

**DIVERSITY.** As seen in Figures 2 and 3, over nearly 60% of conference attendees and 66% survey respondents are white and male.

Figure 2. PEARC23 self-reported race/ethnicity – registration vs survey response

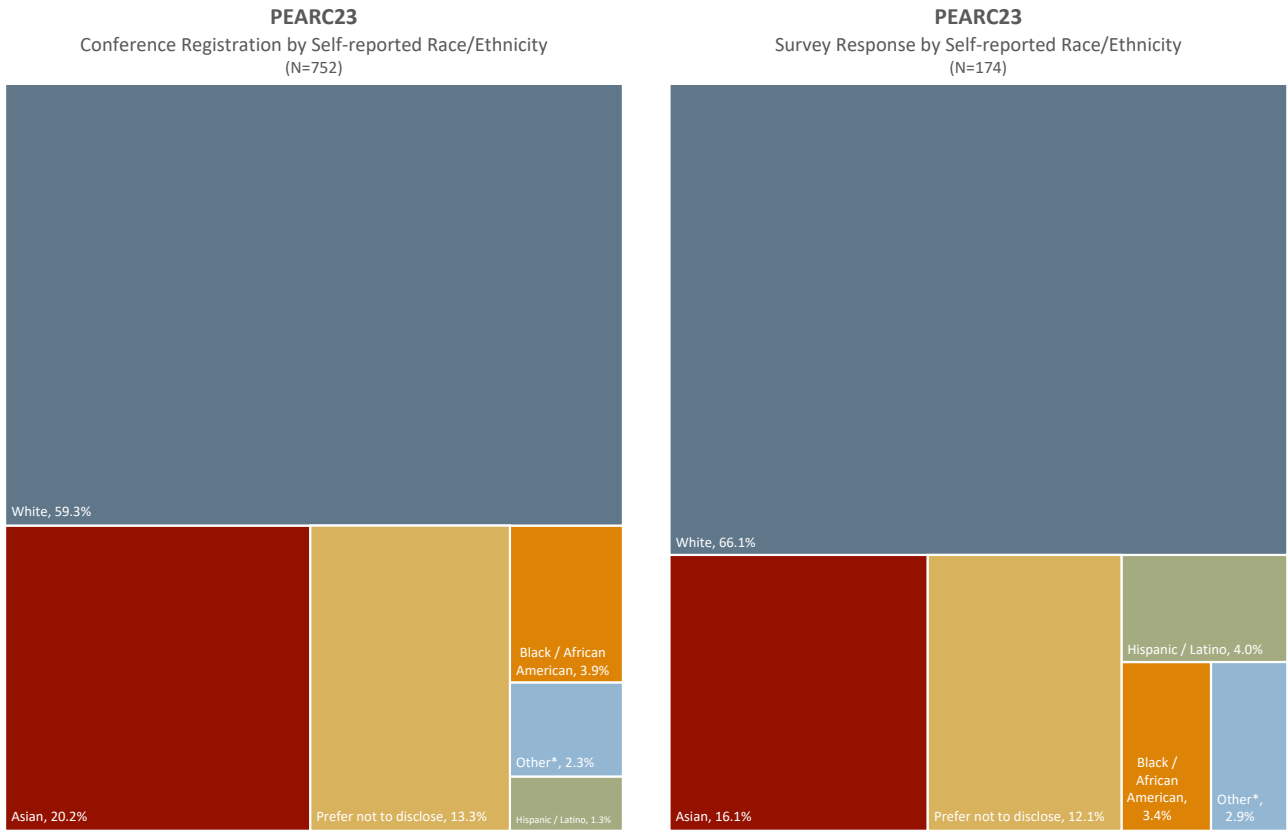
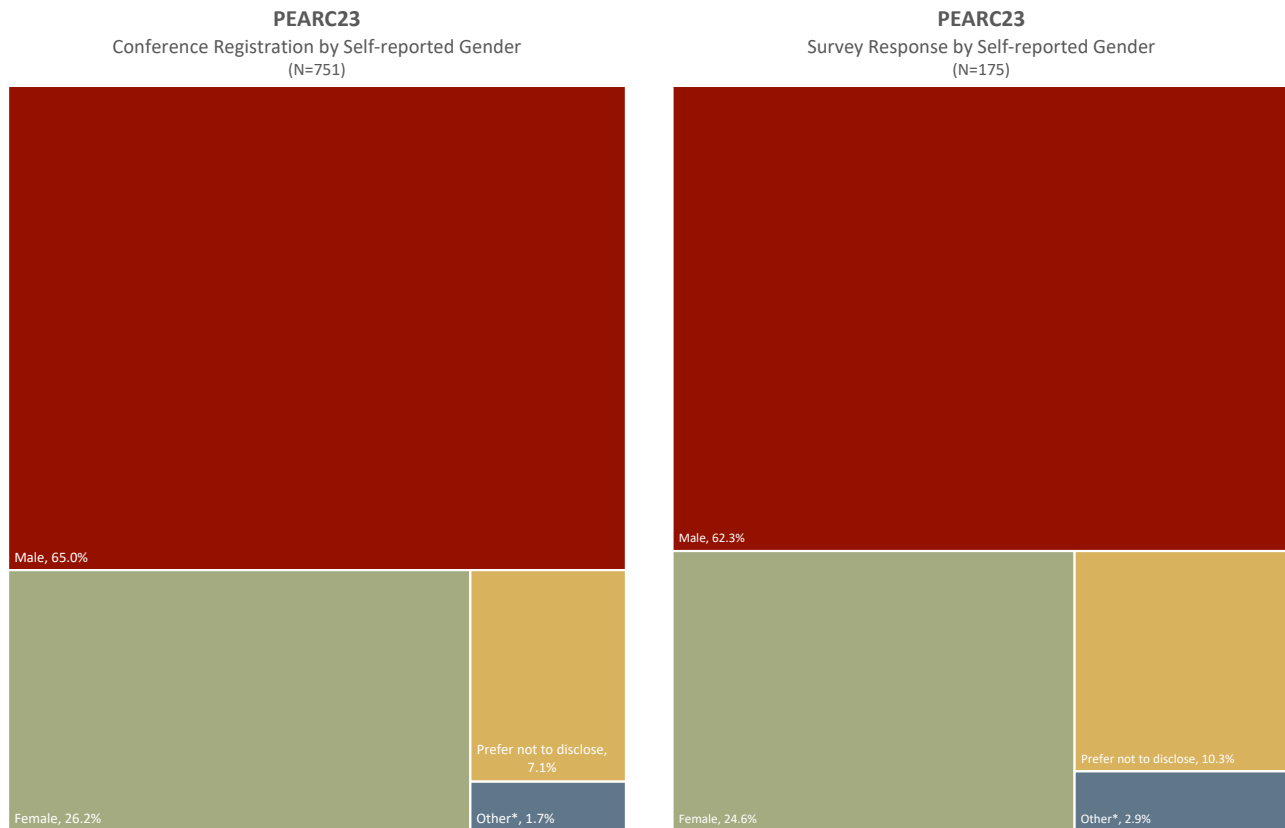


Figure 3. PEARC23 self-reported gender – registration vs survey response



While gender and racial underrepresentation are known issues within the research computing and data community, PEARC organizers have recognized that there are other groups who may feel excluded or marginalized. For the third year, conference attendees were asked how PEARC can prioritize efforts to support and expand its diversity, equity, and inclusion (DEI) activities. Respondents recognized PEARC's efforts toward DEI while others believe there is still a long way to go in this area, with many providing suggestions for making the conference more inclusive, including:

- *Invite speakers and presenter who are from the global majority*
- *...The SIGHPC CARES team should have more diversity; this year it was all white men.*
- *I really appreciated the steps towards inclusion/accessibility like having a quiet room, and the "diversity" ribbons for nametags*
- *...more diversity in conference chairs (as a series, the PEARC chair role has been dominated by white men)...*
- *Its focus on DEI is a highlight of the conference and one that sets it apart and makes it more broadly valuable than other conferences. I would like to see this continued and deepened.*
- *I would like to see more diversity efforts, maybe BOFs for different groups to be able to network more?*

- *DO SOMETHING ABOUT DIVERSITY and INCLUSION! Also include resources for those with physical disabilities at the conference. I went to Educause last year, and saw many people using assistive devices, which I've never seen at any other conference. Turns out that the assistant to the Educause president is a wheelchair user and her input makes people in that community know they'll be accommodated appropriately.*
- *Better advertise the availability of the resources you've worked to put in place over the past few years. I unfortunately had to miss the State of DEI at PEARC session due to a conflicting session, but I'm sure that was the kind of thing I'm looking to hear. In addition, make those resources prominently known in the registration process.*
- *I've felt included at the PEARC conferences.*
- *It would be great to see initiatives to encourage DEIA focused exhibitors or presenters or people from marginalized communities. Maybe something like a reduction in registration cost if you are able to do that at the conference would encourage more people? Or maybe a[n] early career program like the student program.*
- *Work with MSI support/advocacy organizations like AIHEC, NAFEO, HACU, MS-CC to develop outreach strategies, identify activities/content that would be particularly relevant to MSI faculty and students*
- *More diverse speakers; First-time attendee opportunities to [make] people feel more welcome; Prioritize DEI for the conference - attended the BoF on DEI and it was great to see the conversation happening, but would like to see some action on the part of conference organizers to prioritize DEI*
- *Really, need to encourage and incentivize participation by individuals that are traditionally not well represented in advanced research computing. The population attending skews heavily White or Asian male, which makes for a very much less than welcoming environment. This comes alive especially outside of formal sessions, e.g., in networking events, where any hope of a welcoming environment quickly dissipates.*
- *I think a good job was done to make it clear that all are welcome. Continue!*
- *I definitely support providing childcare, eldercare or assistance for those with disabilities even though I don't expect to need that support personally. Also, I want to thank you for creating a welcoming and diverse environment this year.*
- *More "newcomer" attendee events. I would encourage this not to be just "first-time" attendee things because someone may have not been in a while and want to know what to do. But smaller mixers, pop-up BOF tables during breaks, or even just game rooms and interactive idea boards can foster more collaboration.*
- *Try to include new presenters. While all the sessions I attended were great, many were the same presenters as last year. This could be due to a lack of other submissions, but it would be great to try and bring in new presenters.*
- *I go to PEARC to learn more about how I can do better with DEI. This is the greatest group of humans I get to be around. I am thankful for the opportunity and have nothing to contribute other than my gratitude.*
- *I feel that the program did an amazing job at supporting DEI activities*
- *Work with local DEI orgs to amplify their work at the conference. Have diverse plenary speakers both in terms of research as well as speaker bios. Make DEI a criteria for submission acceptance and make that clear in the CFP. Give examples of what this looks like in the CFP.*



- *Include a program for early-career working professionals in HPC who started working after school rather than pursuing a higher level of education. Perhaps the student program could be modified to include early-career working professionals as well.*
- *networking event(s) targeted at underserved, underrepresented communities and allies. e.g., the CASC + WHPC event*
- *ensure a focus on DEI at all areas from the plenary to adequate time between sessions, start later*

**COST.** Most respondents agreed or strongly agreed that for the financial investment made to attend, they were happy with what they had gained (83.4%, 151/181). Others, however, commented that the costs were too high. Several comments highlighted a connection between increasing diversity, broader inclusivity, and cost, with suggestions for a reduced registration fees or scholarships for attendees from smaller institutions and traditionally-underrepresented populations. Some comments include:

- *Subsidies for attendees from EPSCoR/MSI/etc. institutions?*
- *...Registration cost is too high. This is a barrier for members of our community who come from smaller and/or R1 schools.*
- *... Anything to reduce total cost of attendance is appreciated and would increase diversity of attendance.*
- *Try to make it more affordable to attend (registration fees, accommodation costs).*
- *[Offer] full scholarships for attendees (non-students), specifically focusing on recruiting from smaller institutions*

**SCHEDULING.** Activities were scheduled from 8am until approximately 8pm for most days of the conference. Respondents expressed frustration with competing tracks and activities, sessions starting too early, and, in some cases, too many options from which to choose. Comments include:

- *It would be great if the conference could grow at least a little bit longer to allow some workshops and presentations to be held more than once. There are always sessions/presentations/workshops I wish I could have gone to, but couldn't because they were scheduled at the same time as even more useful sessions/presentations/workshops. Making recordings available would help address this at least partially.*
- *...No more 8 am starts. That was too early...*
- *allow more time to relax and network -- the conference starts too early and packs too much in*
- *...ON THE WORKSHOPS ON MONDAY Too many workshops/tutorials of interest are conflicting on the same day. I had to miss many of them. Not sure if this is a solvable problem; some tutorial instructors put the materials on the web so can I catch up; that is nice. But it may not be the practice of everyone yet to do so.*
- *As a presenter we were never notified of when our presentations were or when the schedule was posted telling us when we were supposed to speak. We also noticed the website schedule at time were mangled. Also encountered issues with the wrong speaker being placed on a given talk and resolution only came when talking to the help desk as it didn't seem emailing was getting any notice. It was also odd that the FAQ said something different from what actually was reality for one of the talks we were giving as the FAQ said plan for 20+5 minutes, but in reality the talk was 25+5 minutes.*
- *Thursday Plenary: I was not interested in this topic, the session was scheduled too early in the day (as were the other plenary sessions), and snacks were not provided (unlike the other plenary sessions)*

**DEPENDENT CARE.** PEARC23 attendees were asked about their likelihood of using on-site assistance for childcare, eldercare, or assistance for those with disabilities and travel companions should it be available for PEARC24. Though a large majority of respondents indicated that they are extremely or

somewhat unlikely (75.2%, 131/174) to utilize this service, dependent care is an avenue toward inclusion and diversity that should be considered. The number of respondents indicating that they would be extremely or somewhat likely to use such a resource (10.9%, 19/174) exemplifies an opportunity to address the needs of an underrepresented group in HPC.

Meanwhile, the PEARC23 Diversity, Equity, and Inclusion (DEI) subcommittee again offered a Dependent Care Travel Grant program for PEARC23 conference attendees. The travel grant, piloted at PEARC22, was intended to offset travel expenses of dependents and/or caregivers accompanying the attendee to the conference, or the cost of in-home care while the attendee was away.

Applicants were asked to show that it would be difficult or impossible to attend the PEARC23 conference if this resource was not provided and that attending the PEARC23 conference would demonstrably enhance their professional development and/or career opportunities. Priority was given to attendees who contributed to the conference in some way (i.e., presented a paper, mentored a student, etc.).

## Tutorials and Workshops

Attending tutorials and workshops is cited by attendees as among the top reasons for attending PEARC23, and respondents were, for the most part, satisfied with the content and delivery of the sessions. Though some individual tutorials and workshops received mixed reviews, in aggregate most respondents agreed or strongly agreed that their tutorial/workshop experience was successful (83.2%, 184/221) and that their goals for attending the session were achieved (80.6%, 182/226) (Table 6). General issues raised included overcrowded rooms, a lack of power outlets, and too many overlapping sessions. Comments and satisfaction tables for individual sessions can be found in the Appendix at the end of this report. General comments include:

- *The tutorials seemed to be a little off this time. The one that I was in, for instance, had 9 attendees return from the FIRST break. It was that bad. Others in my group, at other tutorials, mentioned that they didn't get much out of them. They are mostly geared as introductions for novices, and not very deep technically. We were definitely looking for more advanced sessions. -I do not think the lunch lightening talks were effective.*
- *I enjoyed the tutorials/workshops I attended, but both felt rushed in terms of working through the hands-on material.*
- *Better indication of when workshops and tutorials are happening to enable better selection of which ones to attend*
- *WIFI. It was a pinch point in many of the tutorials. Additionally the tutorials need a bit of improvement - me and my colleagues in other tutorials were not terribly impressed since many were simply running through ones available online and didn't really offer much extra information.*
- *PEARC should start charging for tutorials again. The attendance estimates were very inflated. This might have discouraged some from attending. No more 8 am starts. That was too early.*
- *Put a larger focus on tutorials and workshops.*
- *[Add] More advanced tutorials/sessions*
- *[Add] Another day (or half day) of workshops and tutorials to spread out the options so people could attend more than one or two*

- *I have made great connections with TACC scientists to share our information and build possible future collaborations. Great workshops!*
- *I would like it if the presenters would make the side deck available. One of the sessions I went to, the presenter had a link to a PDF of the slide available before the session started. This was the best, I loved it. I could follow along on my laptop without having to look over top of people's heads, copy text I wanted, etc.*

Table 6. Aggregate workshop/tutorial satisfaction

Statement	Strongly disagree (1)		Disagree (2)		Neither agree nor disagree (3)		Agree (4)		Strongly agree (5)		Mean	Std Dev	Not applicable	Total
My goals for attending this session were achieved.	7	3.1%	11	4.9%	26	11.5%	93	41.2%	89	39.4%	4.09	0.99	0	226
The session was well organized.	9	4.0%	4	1.8%	14	6.2%	88	38.9%	111	49.1%	4.27	0.95	0	226
The session description was accurate.	3	1.3%	3	1.3%	12	5.4%	92	41.1%	114	50.9%	4.39	0.77	1	224
The presenter(s) stimulated my interest.	5	2.2%	8	3.5%	24	10.6%	85	37.6%	104	46.0%	4.22	0.93	0	226
I have a better understanding of this topic as a result of this experience.	5	2.2%	8	3.6%	22	9.8%	84	37.5%	105	46.9%	4.23	0.93	1	224
I am confident that I can now incorporate this topic into my current or future work.	7	3.1%	6	2.7%	49	22.0%	86	38.6%	75	33.6%	3.97	1.01	3	223
The length of the session was appropriate.	3	1.3%	21	9.4%	18	8.0%	94	42.0%	88	39.3%	4.08	0.98	1	224
The content was presented clearly.	5	2.2%	11	4.9%	16	7.2%	91	40.8%	100	44.8%	4.21	0.98	1	223
The exercises / hands-on activities were adequate.	9	5.5%	11	6.7%	31	19.0%	55	33.7%	57	35.0%	3.86	1.83	61	163
I experienced little to no significant technological difficulties.	11	5.6%	16	8.2%	13	6.6%	67	34.2%	89	45.4%	4.06	1.57	26	196
I would recommend this tutorial / workshop to others.	11	4.9%	8	3.6%	19	8.5%	81	36.3%	104	46.6%	4.16	1.09	2	223
For the amount invested, I am happy with what I've gained.	9	4.0%	8	3.6%	22	9.9%	82	36.8%	102	45.7%	4.17	1.02	1	223
Overall, I would rate my tutorial / workshop experience as successful.	9	4.1%	7	3.2%	21	9.5%	76	34.4%	108	48.9%	4.21	1.09	3	221

## Student Program

Participant assessment of the Student Program (Table 7) was generally positive, with the Exhibitor Speed Networking session, the Student-Mentor Dinner and the Pitchit workshop among the most valuable sessions. The Student Lightning Talks and the Intro to HPC Workshop were rated as the least valuable; these might be areas on which to focus improvement efforts.

Students' overall satisfaction with the conference program was reasonably high (Table 8) though broadly somewhat lower than in past years. Students agreed or strongly agreed that their goals for attending the conference were achieved (90.9%, 20/22), would recommend the conference to other students (86.3%, 19/22), and would rate their experience as successful (90.9%, 20/22).

Student satisfaction with the student-mentor program was quite high (Table 9) and among the most highly valuable aspects of the program. Most students agreed or strongly agreed that the mentor program met their expectations (82.4%, 14/17), that their mentor was knowledgeable and could answer their questions (88.2%, 15/17), and nearly all students would recommend the program to other students (94.1, 15/17). Some student comments to consider:

- *[Add] Additional team building exercises which incorporate technical skills, avoid overlap of required student activities with conference schedule, required feedback from vendors at the speed networking event, organize lightning talk schedule a bit better, required practice sessions for lightning talks :)*
- *My background knowledge of computers was nowhere near close to what was needed to understand the workshops in the overall conference because the workshops were too advanced for me who only had a mathematics background with minimal computing experience. The tutorials and workshops for only the student program were much more geared for me, and I learned a lot from them.*
- *It was not valuable because these activities tended to cater more towards undergraduates instead of graduate students. While I am sure it was valuable for them, it was not so much for Master's or PhD students.*
- *I really do understand the intentions behind the Intro to HPC workshop, including that it was required as part of a funding stipulation. However, there were more than a few students for who this was redundant knowledge, and their time could have been better spent attending other workshops.*
- *I expected the activities to focus more on computation and research rather than professional development. Please consider adding those in for students, maybe at an introductory or intermediate level. Or please provide transparency beforehand about what types of activities are offered.*
- *More time to attend certain technical workshops, I think some of our required sessions conflicted with the timing of the technical workshops on the first day*
- *The first three workshops (resume, pitch it, negotiation) we're extremely helpful and i really learned from them, thank you for having them! The speed networking was also amazing and I feel that I really had great conversations with each of vendors. However, the morning check ins were unorganized along with some process for volunteering.*

Table 7. Value of student program sessions

Activity	Not at all valuable (1)		Not very valuable (2)		Neutral value (3)		Valuable (4)		Extremely valuable (5)		Mean	Std Dev	Did not attend	Total
Student Welcome	1	5.6%	1	5.6%	4	22.2%	7	38.9%	5	27.8%	3.78	1.08	1	18
Student-Mentor Program	0	0.0%	0	0.0%	3	16.7%	6	33.3%	9	50.0%	4.33	0.75	1	18
Student-Mentor Dinner	0	0.0%	0	0.0%	4	22.2%	5	27.8%	9	50.0%	4.28	0.8	1	18
Pitchit Workshop	0	0.0%	1	5.3%	3	15.8%	7	36.8%	8	42.1%	4.16	0.87	0	19
Resume Workshop	0	0.0%	3	15.8%	3	15.8%	5	26.3%	8	42.1%	3.95	1.1	0	19
Exhibitor Speed Networking	0	0.0%	0	0.0%	2	10.5%	6	31.6%	11	57.9%	4.47	0.68	0	19
Negotiation Workshop	0	0.0%	2	10.5%	3	15.8%	6	31.6%	8	42.1%	4.05	1	0	19
Student Lightning Talks	3	16.7%	2	11.1%	4	22.2%	5	27.8%	4	22.2%	3.28	1.37	1	18
Intro to HPC Workshop	2	11.8%	0	0.0%	4	23.5%	8	47.1%	3	17.6%	3.59	1.14	2	17
Exec & Steering Committee Dinner	0	0.0%	2	13.3%	2	13.3%	8	53.3%	3	20.0%	3.80	0.91	4	15
Poster and Visualization Showcase	0	0.0%	0	0.0%	5	27.8%	6	33.3%	7	38.9%	4.11	0.81	0	18
Tuesday, July 25: Plenary   D.K. Panda	0	0.0%	0	0.0%	2	18.2%	6	54.5%	3	27.3%	4.09	0.67	5	11
Tuesday, July 25: Plenary   Suzanne A. Pierce	0	0.0%	0	0.0%	2	20.0%	7	70.0%	1	10.0%	3.90	0.54	6	10
Wednesday, July 26: Plenary   Ilkay Altinas	0	0.0%	0	0.0%	3	30.0%	5	50.0%	2	20.0%	3.90	0.7	6	10
Wednesday, July 26: Plenary   NSF Program Office Panel; Sharon Broude Geva, Moderator	0	0.0%	0	0.0%	2	22.2%	5	55.6%	2	22.2%	4.00	0.67	7	9
Thursday, July 27: Plenary   Al Kuslikis	0	0.0%	0	0.0%	3	30.0%	4	40.0%	3	30.0%	4.00	0.77	6	10

Table 8. Student program participants' overall satisfaction with conference program

Statement	Strongly disagree (1)		Disagree (2)		Neither agree nor disagree (3)		Agree (4)		Strongly agree (5)		Mean	Std Dev	Total
My goals for attending the conference were achieved.	0	0.0%	1	4.5%	1	4.5%	10	45.5%	10	45.5%	4.32	0.76	22
I am interested in doing research involving advanced computing resources.	1	4.5%	0	0.0%	1	4.5%	10	45.5%	10	45.5%	4.27	0.91	22
My background knowledge and skills were a sufficient foundation for participation in the tutorials I attended.	0	0.0%	0	0.0%	2	9.5%	11	52.4%	8	38.1%	4.29	0.63	21
My background knowledge and skills were a sufficient foundation for participation in the overall conference.	1	4.5%	0	0.0%	1	4.5%	10	45.5%	10	45.5%	4.27	0.91	22
The student activities I attended were well-organized.	0	0.0%	2	9.1%	4	18.2%	9	40.9%	7	31.8%	3.95	0.93	22
I enjoyed the format of the student program activities.	1	4.5%	3	13.6%	1	4.5%	9	40.9%	8	36.4%	3.91	1.16	22
I connected meaningfully with scientists/researchers who use high performance computing systems in their work.	0	0.0%	0	0.0%	3	13.6%	8	36.4%	11	50.0%	4.36	0.71	22
I connected meaningfully with other students at the conference.	1	4.5%	1	4.5%	1	4.5%	8	36.4%	11	50.0%	4.23	1.04	22
I would recommend this conference to other students.	0	0.0%	0	0.0%	3	13.6%	5	22.7%	14	63.6%	4.50	0.72	22
Overall, I would rate my experience as successful.	0	0.0%	0	0.0%	2	9.1%	9	40.9%	11	50.0%	4.41	0.65	22

Table 9. Student satisfaction with student mentor program

Statement	Strongly disagree (1)		Disagree (2)		Neither agree nor disagree (3)		Agree (4)		Strongly agree (5)		Mean	Std Dev	Total
	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage			
The scope of the student-mentor program met my expectations.	0	0.0%	1	5.9%	2	11.8%	8	47.1%	6	35.3%	4.12	0.83	17
My mentor was knowledgeable and could answer my questions.	0	0.0%	1	5.9%	1	5.9%	6	35.3%	9	52.9%	4.35	0.84	17
I had enough time to talk to my mentor during the conference.	0	0.0%	0	0.0%	0	0.0%	9	52.9%	8	47.1%	4.47	0.5	17
I have a plan for keeping in touch with my mentor after the conference.	0	0.0%	0	0.0%	4	23.5%	6	35.3%	7	41.2%	4.18	0.78	17
I would recommend the student-mentor program to my peers.	0	0.0%	0	0.0%	1	5.9%	7	41.2%	9	52.9%	4.47	0.61	17



## Mentor Program

Mentor respondents expressed positive attitudes about the program (Table 10), with most agreeing or strongly agreeing that it met expectations (85.7%, 12/14) and all agreeing or strongly agreeing that they would recommend the program to others in the future (100%, 14/14). All mentors responding report having meaningfully engaged with their mentee and plan on keeping in touch after the conference. While most mentors agreed or strongly agreed that they had enough opportunities to talk to their mentee during the conference (71.4%, 10/14) and that they were given sufficient guidance about how to adequately prepare for their role as a mentor (78.6, 11/14), these might be areas to target for improvement. Some comments provided by mentors include:

- *The person I was mentoring has a goal and current experience that do not match what I could offer. So in a sense I was not quite a good match for her. But on the other hand I consider this a challenge for me to help someone on a trajectory that was not familiar to me. So in this respect it is not all loss. I still value the opportunity to connect with the mentee and would love to participate in this program again when I am able to.*
- *As set up a few students come in as the result of checking the box, not from personal interest or seeing value in it.*
- *Provides easy means of meeting new people in the field. Offers a low pressure and fun environment for making new connections. Program and dinner was well-organized.*
- *I like how there are many different mentors to provide different perspectives to the students.*
- *This is great opportunity to help students with broad scope and provide generic and specific information regarding their research, education and/or career.*
- *Great communication and the students were all very supportive of the program. I heard a lot of conversations from students that they were very excited and happy with the experience.*
- *The program adds value to the PEARC event by letting the students take initial steps towards building their network and professional growth.*
- *More notice as to whether or not we'll be matched and with who would be appreciated. A LinkedIn group for student-mentor pairs could be a fun way to encourage longer term connections. A second-event student-mentor event towards the end of the conference could be a good way to encourage checking in on how a student's conference experience was.*
- *I think prompts or reminders to the mentor/mentee about continuing contact would be helpful.*
- *It will be useful to get more information why the mentee chose me for the mentor. Some back ground for the mentee and expectations if any would be great to have for greater engagement.*
- *It would be helpful if we could exchange CVs/resumes earlier in the process so the mentors have a better base to start with the mentee and the mentee knows something about their mentor. Especially helpful with shy or more introverted mentees*

Table 10. Mentor satisfaction with student mentor program

Statement	Strongly disagree (1)		Disagree (2)		Neither agree nor disagree (3)		Agree (4)		Strongly agree (5)		Mean	Std Dev	Total
The scope of the Student-Mentor Program met my expectations.	0	0.0%	0	0.0%	2	14.3%	5	35.7%	7	50.0%	4.36	0.72	14
The Student-Mentor Program worked well.	0	0.0%	0	0.0%	2	14.3%	5	35.7%	7	50.0%	4.36	0.72	14
I am satisfied with the student/mentor matching process.	0	0.0%	0	0.0%	3	21.4%	4	28.6%	7	50.0%	4.29	0.8	14
The Student-Mentor Dinner was successful.	0	0.0%	0	0.0%	1	7.1%	5	35.7%	8	57.1%	4.50	0.63	14
I had enough opportunities to talk to my student mentee during the conference.	0	0.0%	2	14.3%	2	14.3%	2	14.3%	8	57.1%	4.14	1.12	14
I engaged meaningfully with my student mentee.	0	0.0%	0	0.0%	0	0.0%	7	50.0%	7	50.0%	4.50	0.5	14
I plan on keeping in touch with my student mentee after the conference.	0	0.0%	0	0.0%	0	0.0%	7	50.0%	7	50.0%	4.50	0.5	14
I was given sufficient guidance from the planning committee to adequately prepare for my mentor role at PEARC23.	0	0.0%	1	7.1%	2	14.3%	5	35.7%	6	42.9%	4.14	0.91	14
I would recommend that others participate in the Student-Mentor program in future years.	0	0.0%	0	0.0%	0	0.0%	5	35.7%	9	64.3%	4.64	0.48	14

## Exhibitor Program

Nearly all respondents to the exhibitor assessment agreed or strongly agreed that the program met their personal expectations for participation (96%, 24/25) and an unprecedented 100% (100%, 25/25) expressed that their organization's expectations were met. Further, exhibitors report that their organization's investment in PEARC23 was worthwhile (84%, 21/25), and that they plan to attend PEARC24 (88.0%, 22/25). While only one-third of exhibitors responding indicated an interest in increasing their support level for PEARC24, several anecdotally commented that they personally do not make those decisions. Like conference attendees, exhibitors indicate the most valuable part of the conference are the informal networking opportunities. Exhibitor comments include:

- *The exhibits space makes a big difference. Having nice wide hallways, wide ceilings and proximity to food and beverages at breaks is fantastic*
- *Worthwhile with multiple connections made for networking and collaborative opportunities.*
- *The PEARC App was spectacular. Having the ability to reach out to folks and invite them for lunch or dinner was very cool.*
- *We struggled a bit with the schedule being posted so late - it made it harder to get booth volunteers because folks didn't know their schedules. But that was about the only issue we had.*
- *We really enjoy participating in PEARC, it is a valuable conference for us to sponsor and attend. Each of our reps working the booth got quality time with many customers and/or potential customers. And we made connections with many that we haven't seen in a while. Thanks for hosting it in the West Coast this year! (West Coast is the Best Coast lol)*

Table 11. Exhibitor satisfaction with the conference experience

Statement	Strongly disagree (1)		Disagree (2)		Neither agree nor disagree (3)		Agree (4)		Strongly agree (5)		Mean	Std Dev	Total
My expectations for exhibiting at PEARC23 were met.	0	0.0%	0	0.0%	1	4.0%	10	40.0%	14	56.0%	4.52	0.57	25
My organization's expectations for exhibiting at PEARC23 were met.	0	0.0%	0	0.0%	0	0.0%	10	40.0%	15	60.0%	4.60	0.49	25
The PEARC conference series attracts a significant number of attendees in my organization's target audience.	0	0.0%	1	4.0%	1	4.0%	9	36.0%	14	56.0%	4.44	0.75	25
I (or others representing my organization) engaged sufficiently with members of our target audience.	0	0.0%	1	4.0%	1	4.0%	11	44.0%	12	48.0%	4.36	0.74	25
My organization's investment in PEARC23 was worthwhile.	0	0.0%	0	0.0%	4	16.0%	6	24.0%	15	60.0%	4.44	0.75	25
My organization is interested in exhibiting at PEARC24.	0	0.0%	0	0.0%	3	12.0%	6	24.0%	16	64.0%	4.52	0.7	25
My organization would be interested in increasing its support level for PEARC24.	0	0.0%	2	8.0%	15	60.0%	5	20.0%	3	12.0%	3.36	0.79	25

## RECOMMENDATIONS

Participant feedback suggests that the PEARC23 was generally well received, with major criticisms focused on breakfast, the conference website and registration. While a majority of respondents agreed that the conference was successful, opportunities for general improvement were also identified. These data inform the following recommendations:

- Prioritize timely, clear, and frequent communications with target audiences, and make better use of the website and social media channels to ensure that attendees are aware of schedules and session descriptions. Consider utilizing a more flexible communication application to better inform attendees during the conference.
- Adjust the conference CFP and associated deadlines so that registration can open and the schedule and session content can be publicized well in advance, ideally 16 weeks, but no later than 12 weeks, before the conference begins.
- Ensure that there is sufficient overlap between the when the full program is released and when early registration closes so that prospective attendees have time to evaluate the program while lower registration fees are in effect.
- Make special efforts to communicate the *value proposition* of the PEARC conference.
- Continue to prioritize networking opportunities in the conference schedule by offering longer breaks and lunch sessions.
- Make the networking event a budget priority and include it in the conference package.
- Eliminate speakers during lunch sessions.
- Consider a later start time, especially for conferences held on the East coast.
- Consider a host city in the Central or Mountain time zone as a happy middle ground.
- Be *intentional* in representing the full PEARC community when selecting conference leadership, plenary speakers, committee members, student program participants, session chairs, etc.
- Plenary speakers should appeal to the broadest spectrum of attendees and represent the full diversity of the PEARC community.
- Where possible, streamline the registration process registration for conflicting events.
- Keep “early-bird” registration rates in place until the full schedule is posted.
- Address tutorial/workshop capacity.
- Consider the possibility of returning to a separate charge for tutorials.
- Add selected tutorials to name badges to ensure those who actually registered are not turned away.
- Review past tutorial attendance and use this a factor in assigning rooms.
- Vary the conference schedule to the degree possible so that content of a similar topic/theme (regardless of format) are not conflicting – a track within a track model
- Reduce overlap of session types.
- Consider adding tutorials/workshop throughout the week or on Thursday afternoon.
- Technical committee members should review tutorial and workshop evaluations to make certain topics remain relevant and returning instructors are knowledgeable and well-prepared.
- Consider adding a health and safety sub-committee, to include management of the safe-room and CoC violation reports.

- The conference safe room should be staffed during all conference hours with individuals trained to triage a range of events. The ACM Cares team is insufficient and ill-prepared to handle many issues -- including those of personal health and safety, harassment, bullying, and mental health -- that arise during the conference.
- Continue to offer a broad choice of food options and accommodate special dietary needs.
- Make prominent vegetarian, vegan and gluten free options.
- Budget permitting, include breakfast in the conference package. (This also supports networking goals.)
- With first time attendees representing a 30-40% of attendees (depending on the year), add resources and content for this population (e.g., first-timer meet-up, early-career caucus, conference mentors, first-timers guide.)
- Consider a sub-committee to review needs across all areas of the conference.
- In written communications, as well as from the dais, highlight the value of the exhibitor program and what it make possible (e.g., keeping costs low, providing networking opportunities, increased support for students, etc.) Saying “thanks” is not enough.
- Make the exhibit floor a destination by adding a dedicated exhibitor session the formal agenda.
- The student program leadership should review evaluation data to ensure session content is relevant and leaders/instructors are prepared.
- Provide ample information/resources about expectations and mentees to student-mentors in advance.

## **APPENDICES**

# PEARC23 Conference Survey

Response rate: 25.7% (194/754)

Part I: Overall Experience - To what extent do you agree with the following statements regarding PEARC23?

	N/A	Strongly disagree (1)		Disagree (2)		Neither agree nor disagree (3)		Agree (4)		Strongly agree (5)		Mean	Std Dev	Total
The knowledge and skills I gained at PEARC23 will contribute to my work/research.	6	1.1%	2	0.0%	0	5.5%	10	53.0%	96	40.3%	73	4.31	0.68	181
The information on the conference website was adequate for planning my PEARC23 experience.	0	3.8%	7	18.3%	34	13.4%	25	41.9%	78	22.6%	42	3.61	1.13	186
In general, the conference sessions I attended were well organized.	2	0.5%	1	1.1%	2	6.0%	11	57.1%	105	35.3%	65	4.26	0.66	184
The conference schedule allowed sufficient time for breaks and informal meetings/networking.	3	2.7%	5	1.1%	2	6.6%	12	44.8%	82	44.8%	82	4.28	0.85	183
The submission process was efficient.	66	3.4%	4	2.5%	3	13.4%	16	50.4%	60	30.3%	36	4.02	0.92	119
Submission deadlines were reasonable.	59	0.8%	1	4.8%	6	12.7%	16	50.8%	64	31.0%	39	4.06	0.83	126
Presenting at PEARC23 will enhance my career.	55	0.8%	1	0.0%	0	17.7%	23	43.8%	57	37.7%	49	4.18	0.77	130
I plan to submit to a PEARC conference in the future.	13	1.2%	2	2.9%	5	20.5%	35	38.6%	66	36.8%	63	4.07	0.89	171
The conference was well advertised (i.e. website, social media, etc.)	11	1.7%	3	8.0%	14	28.7%	50	43.1%	75	18.4%	32	3.68	0.92	174
The online registration process was efficient.	0	3.2%	6	4.9%	9	10.8%	20	51.9%	96	29.2%	54	3.99	0.94	185
There was an adequate variety of sessions offered during the conference.	2	0.5%	1	3.3%	6	11.0%	20	54.4%	99	30.8%	56	4.12	0.77	182
I was satisfied with the food and beverage provided at the conference.	1	3.3%	6	11.0%	20	8.2%	15	45.6%	83	31.9%	58	3.92	1.06	182
I was satisfied with the conference hotel options (e.g., cost, facilities, location.)	8	2.8%	5	6.8%	12	8.5%	15	43.5%	77	38.4%	68	4.08	0.99	177



	N/A	Strongly disagree (1)		Disagree (2)		Neither agree nor disagree (3)		Agree (4)		Strongly agree (5)		Mean	Std Dev	Total
I was satisfied with the conference venue (the Oregon Convention Center.)	0	2.7%	5	2.2%	4	4.9%	9	41.6%	77	48.6%	90	4.31	0.88	185
The scheduled social and networking activities helped build camaraderie among attendees.	5	1.1%	2	0.6%	1	6.7%	12	51.7%	93	40.0%	72	4.29	0.71	180
I feel a sense of belonging in the PEARC community.	3	0.5%	1	1.6%	3	12.1%	22	44.0%	80	41.8%	76	4.25	0.77	182
I plan to attend PEARC24.	0	0.5%	1	2.2%	4	14.1%	26	36.2%	67	47.0%	87	4.27	0.82	185
My goals for attending the conference were achieved.	1	0.5%	1	0.0%	0	4.3%	8	52.7%	97	42.4%	78	4.36	0.62	184
For the financial investment I made to attend the conference, I am happy with what I gained.	4	1.1%	2	2.2%	4	13.3%	24	47.5%	86	35.9%	65	4.15	0.81	181
I would recommend this conference to my colleagues.	0	0.5%	1	1.1%	2	5.9%	11	43.8%	81	48.6%	90	4.39	0.70	185

You indicated that you “disagree” or “strongly disagree” with at least one of the statements in the previous question. Please share any insights that could help future conference organizers to improve the PEARC conference experience.

- *Please consider providing breakfast at the conference venue. The Hyatt did not have a cafe (just a gran and go market with very few options) which meant it was difficult for those of us who need substantial meal to start the day. While the conference venue itself worked well for size of our group (I loved that the entire conference was confined to an isolated portion of the center, easy to find things, etc.), Portland was not a city where I (and others I spoke with) felt safe walking about and I would not have ventured out alone. Kudos to the organizing committee for a great job overall - a very enjoyable conference!*
- *Information on the website for planning purposes either came late or was contradictory thus making it difficult to plan accordingly.*
- *I would like to see just a couple presentations on basic computing information for those who don't have any experience with computing at all.*
- *This conference is outside my usual research area, so I am not sure that I will ever get the chance to submit again!*
- *The scheduling information did not contain all Student events.*

- *The website needs more information on all aspects of the conference earlier than when they were available. Especially surrounding who should attend and what types of submissions are typically presented etc.*
- *The submission process is complicated, and not well explained. There are too many steps and too many systems where the author has to re-format and re-upload the paper. The submission & review process should be consolidated to a single website / app with clear instructions indicating what stage your submission is at in the process, and what needs to be done. I think the conference should forgo serving food other than the light snacks & refreshments during the breaks. Instead, grant more time for attendees to go out for lunch, and consider extending the conference into Friday to allow for the extra time.*
- *Advertisement: I have been doing research computing system administration and software development for over 20 years and am subscribed to numerous newsletters, professional organizations, and interest groups; yet I have never seen a PEARC advertisement anywhere except at other ACM conferences. If my manager had not attended the Supercomputing conference, I might have never heard of it. Registration: The conference registration form was lengthy and tedious. Also, all except for the most useless workshops and tutorials were already filled up with registrants before the rest of the conference schedule was even posted. Hotels: The conference rate at nearby hotels was expensive. I found a room at half the price at a different nearby hotel, but it was filthy and disgusting. Perhaps a compromise could be reached, whereby a group rate could be secured at a cheaper (not filthy) hotel. The Supercomputing conference made it easy to access the conference from farther away by providing a free shuttle service. (While I appreciated the free TriMet pass at PEARC, the streetcar and tram were as filthy as my hotel.)*
- *Disappointed that breakfast wasn't included. Speakers and facilitators need training in accessible presentation practices. Rolling whiteboards would be helpful for BoFs. The cost of the conference is highly inaccessible to most.*
- *As a first time attendee, registering for the workshop days online was confusing. I did not understand that I was only to sign up for 1 of them because the times were not shown on the website.*
- *The conference is a wonderful source of training, information, and professional networking. Two points of feedback I have are 1) Many meeting rooms that I tried to attend were overfilled. There were not enough seats and room by 10-20% 2) I don't believe the specific session schedule was available when I registered, so it was difficult to plan my travel for any subset of days. I had to commit to the whole week even though a subset may have been ok based on my areas of interest.*
- *The food was good, but would have like to have more drink options other than tea and water.*
- *The PEARC website didn't really help me understand what the conference was and who it was for, I'm very thankful that I was able to attend but I was confused leading up to the conference. It wasn't until day two or three of the conference that I knew what the acronym stood for. Registration was a little overwhelming as well, not having a description of the sessions lead me to initially not sign up for many sessions. Also, the organization of how the events on the registration page was confusing. The Cvent application, however, was incredibly useful for finding sessions once I was at the conference.*

- *I understand that there may have been some limitations when it comes to providing a variety of dietary options at the conference. However, there were attendees, including myself, who follow Halal dietary restrictions. It would have been beneficial if this could have been facilitated. Due to the lack of Halal food options, I found myself unable to partake in most of the meals provided during the conference. This forced me to purchase food from outside restaurants, which was not only inconvenient but also incurred an additional personal expense. Unfortunately, my advisor does not offer reimbursements for such costs. As a result, I had to bear these extra expenses out of my personal funds, which can be burdensome as a student. It would be greatly appreciated if future events could consider and cater to these dietary requirements to avoid such situations.*
- *1) The food was not great and repetitive (lack of variety - same food served multiple times throughout the event - e.g. only so many charcuterie boards you can have). 2) Since there was no breakfast, I understand break food was meant to replace that, but by the time I got to the break, the food was all gone. There just was not enough and the conference fee is still significant 3) I, unfortunately, was unable to get a conference hotel that was close to the convention center. I was in the DoubleTree and it was a) far/further way from the convention center it felt unsafe walking by myself to/from CC to hotel, especially at night. There were multiple homeless people and people on drugs on the way to/from and the streets were not otherwise well populated. Many businesses seemed to be shut down around the hotel. It made networking after the conference difficult. I did not take the train because it felt more unsafe to wait alone on the platform and then once on, it seemed unsafe b) the hotel itself was dark, smelly and outdated 4) I appreciated the broader variety of sessions and the inclusion of more workforce development topics 5) The meeting rooms were far too small - many of the sessions that I wanted to attend did not even have standing room 6) It was disappointing to see the lack of crowd at the Thursday plenary session - many people had left by then*
- *Posting meeting info (cost, deadlines, rough agenda, etc.) earlier.*
- *There needed to be more experience Portland information. A forum may help. I did several hikes and runs there and even went to the coast after the conference. There was no place to post those activities so others could join in. When I discovered jetboat and helicopter rides, it was too late to schedule them.*
- *Good: The tutorials and some of the paper sessions and BoFs were good. Not so good: the conference schedule was surprisingly light, I don't know if lots of papers were rejected or if there were not a lot of submissions, but the conference was definitely lightweight. And, the organization left a lot to be desired - the conference schedule came out very late, which made planning attendance more of a last minute thing. Very much not good: Portland was not a good city to host anything in - depressing is the best thing I could say about it, it was in such rough shape and it was hard to find pretty much anything. And the DoubleTree hotel - was no great shakes either. Sad.*
- *I would have liked it if the schedule was available sooner so I could plan my travel farther in advance. I also didn't find the website to be very flexible in terms of searching or assembling a customized schedule, compared with other conferences.*

- *The HOP Card for transit is a genius idea. I really want to see future PEARC conferences in downtown settings with good transit AND the inclusion of the transit card. This ABSOLUTELY needs to be included in communication about the conference. I was delightfully surprised to find the HOP Card but i had already loaded value onto a personal HOP Card for anticipated use during the week. Having more communication pre-conference about the building layout, additional amenities (and explanation of what things like Silent Room are) would be fantastic. The agenda tool could also use a little bit of work. It was difficult to trace what was in the same room, if one wanted to stay in one place, and it was a little tough to read and understand who the presenters were.*
- *1. Timeline - could have been presented earlier to help plan travel (which contributed to greater costs). 2. The networking event turmoil. I despise paid networking events on principle, because they are essentially a property qualification. Yes, an intentional artificial barrier to only accept those who can afford it. Apart from the overall moral stand ("if you WANT people to network, you should not make them pay for that"), this also puts many into a bind (good luck explaining the charge to management or university accounting office). TL;DR: if you can't make external networking event free to begin with, then the moral solution would be to not make it at all. This recent tendency of paid events (equivalent to a "we do not welcome poppers" declaration) is extremely disturbing to me. The privilege rubs straight against all the noble inclusivity talks. 3. The registration. It's been a highlight for me. I have raised this problem last year, but apparently it fell on deaf ear - please, please, please do NOT require PEARC registration to be tied to the ACM \*email\*!!! Instead, please make it tied to the ACM \*MEMBERSHIP NUMBER\*, but not the email. SC has gotten it right for decades, why can't PEARC? Case in point: my ACM membership uses my personal email address (because I value this membership independent of where I work). That email is strictly between me and ACM (and it is none of PEARC's business). When I register for PEARC \*as a representative of my current employer\*, I want my PEARC registration to reflect \*my current work email\* (not the personal/ACM one!) I do not want to receive PEARC announcements to my personal address, I do not want to receive vendor communication at my personal address. I have a work one for that, I want all these messages go there. I have been spammed last year after PEARC22, I am already spammed after PEARC23... I just want my personal address to be left alone so I could use it for, well, personal needs. So forgive me for being less than responsive to all the pleas of "Please opt-in into sharing your registered email with our wonderful vendors"... I understand this desire, and I would have been ok with it, but if the conference does not care about my needs, why should I care about the conferences' ones? As long as I am unable to specify \*my choice of email\* for registration, I have not and I will not be opting in for any of this. 4. Cvent app... is laggy (at least on my 2 y.o. mid-range Android phone). Takes several seconds to open/refresh every time, even on good connection, drove me bonkers (the sentiment I heard from several people). 5. Did I say Cvent app? I do not want to be locked into it! I have other things and event in my life that are reflected on my calendar - so I need an ability to subscribe to a live conference calendar feed (so I could shuffle my appointments \*in one place\* as opposed to switching back and forth between calendar and Cvent). Yes, live calendar feed of \*my\* selected events (not the "Export once, and you are screwed if anything changes, and doubly screwed if you try to re-export").*

- *The lack of (at least a preliminary) program when registration was opened was a glaring problem. The conference website was not easy to navigate, had some erroneous content (wrong presenters on some panels), and was incomplete up until the very end. There was no easy means to add a session to my calendar (the app was too broken in past years for me to waste time using it this year). The fact that there was zero description of the Tuesday social event when asking people to spend serious money on it is just plain ridiculous. Yes, it ended up being free for registrants (thanks to exhibitors), but I skipped it since my partner was with me and I had no idea what I would be paying for to have them join me. I love PEARC and really want it to thrive and grow, but we need a new model to produce a decent website with timely content. This may require more resources, or a coordinated volunteer team to get content in. It may require closer coordination with the technical program committee to ensure the necessary content is available when needed. It may require a model of sequential updates to allow a preliminary program that includes the papers and sessions before the final timing and room assignments have been worked out. This might be a little more work, but would make a real difference to the (potential) attendees. Finally, PEARC should explore lightweight means of capturing some of the sessions (e.g., running zoom on the presenter laptop to capture the talks). While this might lack the questions and be otherwise imperfect, it would be a huge benefit to folks who cannot attend. I would not suggest we live stream (which would be a pain and could disincite in-person attendance), but to provide some content after the fact (e.g., a month later) for the broader community. This might well incent some to attend in later years.*
- *I am not engaged in activities that benefit from making presentations.*
- *It can be difficult to plan out sessions just because some aren't added until very close to the time of the conference.*
- *My biggest complaint about PEARC and this has been for multiple years (and I mention it EVERY YEAR) is that the rooms planned are too small. It is a waste of money for me to attend if I cannot attend the sessions that are of interest to me. And it would be okay if it was one session, but it's MANY. So what's the point of attending? Just to miss the topics I want to most learn about? This has to be addressed or PEARC will suffer ultimately.*
- *The full program was not released until very close to the conference, so it was almost impossible to register with that information, requiring early registrants to register "just because it's PEARC" rather than guided by content. At registration time, selecting the workshops to participate in was hard, as they were presented in a multi-day, multi-schedule list. It would be better to see a table or something more visual. The schedule had breaks, but it ran pretty long (from about 8:30 AM to almost 6 PM). Finally, the last event (poster session) did not have a single option for people with dietary restrictions, contrasting with what was served in the Tuesday networking event, the lunches, and the breaks. Interestingly, the poster session had the fanciest menu (fish eggs, duck, lamb), so it's really hard to accept the lack of options here.*
- *The food and drink options were not very good*
- *The conference website made it difficult for me to determine how long I should schedule my travel-- I wasn't sure who some sessions were designed for until after I'd booked the travel. In general, having more information available about the specifics of the schedule earlier would have been very helpful.*

- The schedule was split into periods of "only paper sessions" or "only BoFs" or "only break". Imagine someone wants to attend a lot of paper sessions, and they don't care a lot about BoFs, or vice versa. They have to make hard choices because the sessions they care most about are stacked 5-6 on top of each other. Imagine if instead there is an all-day BoF track and an all-day paper track. If I want to attend BoFs, I could spend all day there. Also, Instead of scheduling in breaks during which nothing at all is happening, you could spread out the sessions to the entire day. This would help deconflict the sessions. Attendees can make their own choice of when to take breaks. --- I find BoFs at PEARC to be unlike BoFs at other conferences. The point of a BoF is to get the audience interacting with each other as a community. The organizer should gently facilitate but mostly shut up and stay out of the way. I sat in a couple of BoFs where the "panelists" talked for most of the hour, leaving relatively little opportunity for community interaction. (Or, the community interaction was via online survey / Q&A platforms, which seems to defeat the point of getting people in the same room.) I don't know how conference organizers would fix this, but I see a need to re-frame BoFs as conversations mostly driven by the attendees. --- Last year, I suggested PEARC introduce lightning talks. You did introduce something called "lightning talks", but these are not lightning talks, they are "student about me" talks. At other conferences, lightning talks generally work like this: attendees are encouraged to put their name on a list, they wait their turn, then they get the floor for 5-10 minutes to talk about anything they want. At lightning talks, people challenge others' assumptions. People speak truth to power. It's great, magical. But the lightning talks at PEARC were not like this. --- On wednesday, the PA system for the "student about me" talks was quite loud, there was nowhere to sit and eat lunch at a conversational volume. --- Finally: actual researchers feel very under-represented at PEARC. I don't know how to encourage them to attend. But the conference needs more representation from the community that its own community exists to serve. Hopefully this doesn't sound too critical. I appreciate all the hard work the organizers do. Please ignore as much of this as you need to preserve sanity.*
- The ACM method of submitting a full paper as a request to do a conference presentation is antiquated and burdensome, especially for people who don't come from traditional academic backgrounds. Plus a good paper != a good conference presentation. Consider using abstract submission like most conferences, with the option to write a full paper later like RDAP.*
- The student presentations during lunch made it very difficult to network. For me, that is the most important part of the conference, and the students talking over us in the microphones was really annoying. Give them a separate room to make their presentations next time, not the main ballroom where people are eating and talking. We just had to talk louder.*
- I was shocked at how late registration finally opened up for this conference. I'm much more familiar (and comfortable!) registering for conferences months in advance, not just a few weeks.*
- I don't feel enough sessions were on the topics most relevant to my position as a systems admin. I focus on deployment, security and patches for the operating system and no one talks about those.*
- \* PEARC should be hybrid: to broaden participation, reduce attendee expenses, reduce carbon footprint, and reduce health risks. A conference focused on practitioners should be more accessible to its audience. \* An accurate and readable conference schedule should be published on the web site prior to the event. \* The conference proceedings should be available to attendees during the conference.*

- *This is an excellent conference, and the student program is likely one of the best in the World. There were many things that were perfect or great about the event, but the rest of this response will focus on negatives. • The deadline for the camera ready articles (Jun 16) was over a month in advance of the conference (July 23), yet the published proceedings are still not available (Aug 1). • The strict adherence to a single ACM template is ridiculous. • The submissions for posters and short papers being due the same day is asinine. • The registration delays made the conference that much harder to budget. • The student program delays made it difficult to ascertain if students could go. • The student program deadline being ahead of published submission deadlines is non-ideal. • The student lightning talks were a good idea, but could not be heard the first day, and started Tuesday rather than Monday. • There was hardly anyone in attendance for the plenary talk on tribal colleges! • The lodging costs were astronomical. • The visualizations this year were incredible, but there should have been a dedicated set up for every presenter, especially given that they were treated so seriously during submission and will be in the proceedings. • The visualizations were encouraged to be interactive, but then were forced to be shouted presentations by the authors in 15 minute windows. There was a lot of talk about the conference being "too academic." This is concerning as without the "academic" parts of the conference many would no longer attend and the event would lose its high standing. Some of the discussion was in the sense of contributing to the conference as being daunting. This is true, as short papers, co-located events, and posters had the same April 21 deadline (3 months ahead of conference for a POSTER) and publishing can be especially intimidating. Posters being due in June and a non-proceedings option would have lightened this "too academic" complaint. Additionally, the student lightning talks were a great addition this year that should be broadened to the wider community: allowing for anyone to give a 3-5 minute talk without the formality of a submission would be more (a) inclusive, (b) give a greater sense of belonging, and (c) increase quality contributions and lower the barrier to future formal submissions.*
- *I wish there was more time to submit a poster. I heard of this event on the last day to register and by the time I had registered, poster submissions had already closed. I really enjoyed all other aspects of the conference. It was my first time attending a conference in person and although I expected to gain a lot from the experience, the benefits I got from the conference and student program far exceeded these expectations.*
- *There was not enough communication about registration, schedule posting and other details pre-conference. There was a snafu with the registration system not recognizing my ACM membership (happened to others on the team as well) that required emails back and forth to sort out.*
- *food was not awesome; while the venue was fine, i think what that some of what makes PEARC unique was lost by moving to a convention center*
- *Please provide caffeinated soda/pop options for breakfasts and breaks for those who do not like coffee, tea, or lemonade.*
- *The lunch options could have been better. The service was amazing but the taste and quality of the food would vary. My favorite meals were the brisket and mac n cheese.*
- *I needed to make my reservations long before I had a sense of the session schedule for the conference. It would have helped to have a skeleton that listed a Day and then "Paper Presentations" or "Panels" or "BoF" - etc - they didn't need to be filled in but as someone involved in a BoF and giving a presentation, it would have helped me plan.*

- *While I am signed up for mailing lists, I missed some deadlines for various programs or submissions that were available due to not getting information in time. I also struggled to find that information on the website in advance or information like what posters and viz will be offered at the conference or what papers were submitted.*
- *The registration process is quite long, and having to go through the entire process multiple times (to add the networking event, to choose sessions) was burdensome.*
- *\* The first/last day schedule is very important for travelers - especially when located in Eastern/Pacific time zones due to the nature of air travel. Please post the schedule earlier (or at least know what sections could be the first/last day) so that people can plan their travel accordingly. \* Please make it so that I don't have to re-sign into the registration to add the sponsor opt in/out and networking event. These are things that should be known well in advance of the registration being opened.*
- *I think most people found Portland to be a bit sketchy. The actual venue was fine, it was the city in general that was not so pleasant.*
- *Registration was too long and the first time I did it, all of the Monday tutorials and workshops showed up as full. Also, it would be helpful if the detailed conference schedule was released sooner than the week before the conference.*
- *More than just focusing on the previous questions, as I have participated from other PEARC meetings in the past I will list the things I believe were done wrong compared to previous years: 1) schedule and program not available until very late, this should be available weeks in advance! 2) Proceedings, before proceedings --i.e. PROPER proceedings for papers were made available the night before the first day of the conference, not in a google drive but from the very same ACM website -- this should be a MUST TOO 3) Poster and visualization sessions, would be better on the first two nights of the conference and not the last two... my guess is that the attendance of the last day was significantly less. Moreover, you get the chance to participants to see the posters before announcing awards for posters presentations. 4) it will be great to have access to slides from presenters 5) Although I realize it was a nice attempt, I don't think that the lighting talks during lunch time worked well...*
- *As a first-time contributor to PEARC, I found the submission process confusing and time consuming. Most of the challenges I faced involved navigating the ACM e-rights and TAPS process, which I realize is probably not something the conference can control. One suggestion I have for the conference organizers is to make sure the submission requirements (page limits, submission formats, etc.) are finalized before the call for participation goes out. I noticed that some of these details changed during the submission window, which caused me to have to redo some aspects of my submission.*
- *I feel like having more than one day of workshops would really have helped me feel like I was benefitting from attending this conference. More days of presentations gives better support to the established academics in our industry (more citable publications), but doesn't always equally benefit those who are trying to rapidly skill up in their new positions as CI facilitators.*
- *Thank you so much for everything 🙏*



- *So, Portland is a cool town. Unfortunately, it has had some social-economic issues over the past several years. The conference center is basically located in one of the "rougner" areas of Portland. It is also a bit more expensive to fly-in than other locations.*
- *To be honest - I hated the location of the conference, and many other attendees stated to me in conversation that they did not feel safe in the area due to the large homeless population around the convention center. I had an amazing time inside the venue meeting all sorts of cool and interesting people, but after the days activities were over I went straight back to my hotel room and did not make an effort to explore the city. My first day at the event I was cursed out by an individual for not giving them money, and other days I had to avoid dangerous looking individuals walking back to my hotel. I also avoided certain restaurants because the homeless would come in to harass patrons. I also witnessed several other conference attendees be harassed by the homeless as they were walking towards the convention center. Like I said, I really enjoyed the conference, however, I would strongly prefer that a safer location is chosen in the future. I would like to feel safe so that I feel more encouraged to go out with new connections that I have made at the event.*
- *The registration app is very clunky. The plenaries were underwhelming for the most part. I felt bad for the lunchtime lightening presenters for having to present during that time. It also was very disruptive to the lunch experience. The food was terrible. We had same exact menu at least two of the meals.*
- *The program was provided too late and hidden in the registration site, so I had to guess in my planning and missed some interesting sessions because of it. The papers were made available late in the conference, and it looks like there will not be any processings. There were no outlets provided in the conference rooms, and one had to search hard to find them. Minor point, but apart from the hotels, there were few restaurant options in the vicinity of the conference, and the place inside the conference center was not open in the morning for e.g. breakfast.*
- *The detailed conference schedule was not available early enough. Initial schedule had too little information to plan what to attend. Some room sizes were too small.*
- *There's little continuity between conference years, chairs, and processes. Having talks over lunch defeats the entire purpose of networking and makes people want to flee the room. Lack of preliminary proceedings availability (papers and presentations) at the start of the conference is problematic and a very unusual considering the timing of deadlines and size of the event. Rounds in a plenary session are always a mess. It seemed like there was more than sufficient space to have a theatre style setup and lunch space by utilizing the poster/viz room effectively. If networking is a priority stop charging added fees for evening events going forward. The registration rate is high enough and if not you're paying too much for contractors or need to be more attentive in venue and food selection to save cost.*
- *The schedule - even high level - was posted way too late for making travel arrangements. Knowing what workshops, receptions, etc are offered is critical on knowing when to arrive. I had to rely on asking colleagues about previous PEARCs hoping it would continue. If I was a first-timer or new to the community, I'd have felt really uninformed.*
- *Non*
- *Limited food options available around the conference site and the hotel.*
- *Food was repeated alternatively :-(*

- *List talk times sooner and/or post the names of session chairs*
- *As a presenter we were never notified of when our presentations were or when the schedule was posted telling us when we were suppose to speak. We also noticed the website schedule at time were mangled. Also encountered issues with the wrong speaker being placed on a given talk and resolution only came when talking to the help desk as it didn't seem emailing was getting any notice. It was also odd that the faq said something different from what actually was reality for one of the talks we were giving as the faq said plan for 20+5 minutes, but in reality the talk was 25+5 minutes.*
- *The food options were more limited than comparable conferences (past PEARC, SC, etc) -- there was difficulty with vegetarian lunch selections and the food at breaks (particularly pre-lunch and during the poster reception) had few fruit or healthy options. Given that virtually every attendee has a laptop, there were very few power options available in the session rooms (typically only one power strip for every 3 or 4 rows). While Portland has many things to offer, issues of [perceived] safety greatly influenced my choices about cultural/food/recreation activity. For reference, I've lived most of my life in major US or international cities (NYC, Philadelphia, Seattle, Ankara). As a tourist, I've almost never felt as concerned about personal safety while walking in 'good' neighborhoods, during the day, as I have in Portland.*

Part II: General Conference Activities - How valuable were each of the following conference sessions or activities to you?

	Did not attend	Not at all valuable (1)		Not very valuable (2)		Neutral value (3)		Valuable (4)		Extremely valuable (5)		Mean	Std Dev	Total
Tuesday, July 25: Plenary Session (D.K. Panda)	36	2.9%	4	5.8%	8	21.0%	29	47.1%	65	23.2%	32	3.82	0.95	138
Tuesday, July 25: Plenary Session (Suzanne A. Pierce)	45	1.6%	2	3.1%	4	18.6%	24	48.1%	62	28.7%	37	3.99	0.86	129
Wednesday, July 26: Plenary Session (Ilkay Altinas)	46	0.0%	0	1.6%	2	24.2%	31	52.3%	67	21.9%	28	3.95	0.72	128
Wednesday, July 26: Plenary Session (NSF Program Officers Panel; Sharon Broude Geva, Moderator)	46	3.1%	4	3.1%	4	18.9%	24	48.0%	61	26.8%	34	3.92	0.93	127
Thursday, July 27: Plenary Session (Al Kuslikis)	79	4.4%	4	4.4%	4	28.9%	26	43.3%	39	18.9%	17	3.68	0.98	90
PEARC Interact! (Visualization Showcase)	65	0.0%	0	4.7%	5	15.0%	16	53.3%	57	27.1%	29	4.03	0.78	107
Poster Session	38	0.7%	1	1.5%	2	11.2%	15	59.7%	80	26.9%	36	4.10	0.70	134
Exhibitor Program	22	0.0%	0	3.3%	5	22.5%	34	55.0%	83	19.2%	29	3.90	0.73	151
Networking opportunities at conference	5	0.0%	0	1.2%	2	4.7%	8	39.4%	67	54.7%	93	4.48	0.64	170
Tuesday evening networking event	20	0.6%	1	0.0%	0	8.4%	13	43.5%	67	47.4%	73	4.37	0.69	154

You indicated that you found at least one of the activities listed in the previous question to be “not very” or “not at all” valuable. Please share any insights that could help future conference organizers to address the deficiencies you experienced.

- I do not find value in the exhibitors, personally, because I do not have a reason to interact with vendors in my role. I appreciate there being some presence by other organizations, such as CaRCC, Internet2, Purdue, and national centers, but I did not speak with them at their tables. If I spoke with their representatives, it was during lunch, breaks, and networking events and largely relevant to something they had presented on or opportunities for collaboration. Their tables were not particularly valuable to me, and I completely ignored the vendor tables. I do appreciate their sponsorship of the conference, however.*
- I do not live or work in US, therefore some of the American focused talks were not at all relevant or beneficial for me.*

- *The final plenary was, in my opinion, not very well put together. It started out very interesting, but never really got to a point. The speaker struggled to understand questions and provide insightful answers.*
- *Thursday Plenary: I was not interested in this topic, the session was scheduled too early in the day (as were the other plenary sessions), and snacks were not provided (unlike the other plenary sessions)*
- *The NSF panel should not be a plenary. Most folks already know the information.*
- *The plenary sessions were challenging with small screens and poor audio, and poor time management - this completely fell apart with the final plenary. I'm not sure why we tried to have lightning talks over lunch, that was just sad for those presenting as it was an impossible situation. The networking event, was just kind of strange. The poster and vis showcase, were also sad and small.*
- *I have great respect for Dr. Panda. I've taken seminars at SC from him - they've always been spectacular. I was kind of disappointed with the talk. Not to take away from Dr. Panda..great choice for a keynote; It just fell flat on me this time.*
- *I'm really not the audience for the poster session. Only understood one title.*
- *Just a personal preference, topic was not of interest to me.*
- *When the networking event is opaque to registrants (in advance) there is no way to assess value, so I skipped it*
- *They were just socials...not much to see really.*
- *I didn't feel the need to talk to any exhibitors. I didn't find DK Panda's talk particularly interesting or relevant to my work.*
- *NSF panels are generally of very little value to conference attendees. Panelists solely talk about opportunities out currently that can be easily accessed via the NSF websites. Panelists are extremely unwilling to share anything outside their strict and confined talking points. Most of the answers provided to questions posed by the audience were completely useless and provided no attempt to actually answering the question.*
- *plenaries were boring, not at all interesting or compelling*
- *I am not eligible for NSF funding so the talk wasn't valuable to me.*
- *I would like to see the Tuesday networking event to have more organized interactive activities to encourage more interactions. I feel that lunch time talks should have been a separate session. A lot of people wanted to interact with other attendees and not paying attention to the talks.*
- *I couldn't hear DK Panda and his presentation wasn't very interesting to me.*
- *\* I thought the poster session was ok, but too short (for how busy it was.) The area was open for people to view the posters for a good amount of time, but the ability to talk to the creators was too short. \* I didn't realize that several of the sponsors had rooms with events until day 3. Having their events publicized with the rest of the sessions would drive better interactions, making it more worthwhile for vendors. As a former vendor, the ability to have events is great, but the conference making that information readily available is what will drive interest.*

- *The plenary presentation by DK panda ended up confusing me, but that's ok I'm sure other's got his messages.*
- *Non*
- *I found Prof. Panda's presentation to be fairly inappropriate for a plenary talk because it consisted primarily of marketing and hype, with very little in the way of substantive content presented.*

Please check all of the following statements that apply to you.

	%	Count
This is my first time attending PEARC (or a prior XSEDE conference).	21.6%	76
I am a Campus Champion.	12.5%	44
I operate or support campus research computing resources.	29.8%	105
I operate or support federally-funded research computing resources. (Please specify the agency.)	17.3%	61
I operate or support research computing resources funded by some other organization. (Please specify the agency.)	5.1%	18
I am part of an advanced cyberinfrastructure organization or project. (Please specify the agency.)	13.6%	48
Total	100%	352

I operate or support federally-funded research computing resources. (Please specify the agency.)

- |  |  |   |
|--|--|---|
| <ul style="list-style-type: none"> <li>• NSF, NIH, National Institute of General Medical Sciences</li> <li>• NSF</li> <li>• ACENET, Digital Research Alliance of Canada</li> <li>• National Institute for</li> </ul> | <ul style="list-style-type: none"> <li>• Computational Sciences</li> <li>• NSF Delta</li> <li>• NREL :: DOE - EERE</li> <li>• DOE</li> <li>• USDA   NOAA</li> <li>• NSF, NIH</li> <li>• NSF, DoD, NASA</li> <li>• ISED (Canada)</li> <li>• DOE/PNNL</li> </ul> | <ul style="list-style-type: none"> <li>• MIT Lincoln Laboratory (FFRDC for DoD)</li> <li>• ACCESS</li> <li>• DOE SC</li> <li>• Digital Research Alliance of Canada</li> <li>• NERSC</li> <li>• DOE, NOAA</li> <li>• USDA, NOAA</li> </ul> |
|--|--|---|

I operate or support research computing resources funded by some other organization. (Please specify the agency.)

- |  |   |
|--|---|
| <ul style="list-style-type: none"> <li>• State of NJ, NJ Commission on Cancer Research, Andrew Mellon Foundation, others</li> <li>• MARS INC.</li> </ul> | <ul style="list-style-type: none"> <li>• University campus</li> <li>• GeoData Cooperative</li> <li>• University/philanthropic donation</li> </ul> |
|--|---|

- Altria, Arnold Foundation
- DOE
- Mars Inc.
- State and private sector
- Chapman University
- Intel
- European Commission, Czech Ministry of Education, Youth and Sports
- University of Toronto
- State

I am part of an advanced cyberinfrastructure organization or project. (Please specify the agency.)

- ACI-REF VR, CaRCC
- ERN, CaRCC, others
- NSF
- ACCESS
- NREL
- TACC
- CaRCC, EPSCoR, MS-CC, AIHEC
- DRAC (Canada)
- OneOklahoma Cyberinfrastructure Initiative, Great Plains Network
- Georgia Institute of Technology
- CASC
- XSEDE
- ECP
- SDSC
- NOAA
- CIRC @ IU
- Trusted CI Fellow
- ICICLE, SDSC
- NSF ACCESS
- Managing e-INFRA CZ in Czech Republic
- SGX3 and SGCI
- Asu, aak.ci
- PSC

Did you stay at one of the conference hotels?

	%	Count
Yes	79.5%	140
No (If no, please tell us why you opted to stay elsewhere.)	20.5%	36
Total	100%	176

No - If no, why?

- *The room rates were too expensive. I found a "hotel" with rates half what the conference hotels were charging. However, it turned out to be a filthy motel and I do not recommend it.*
- *N/A*
- *Because of money*
- *I live in Portland*
- *Lolo Pass Hotel*
- *I think they were fully booked already*
- *Did not accommodate pets*
- *I stayed at a company-preferred hotel.*
- *ARBNB with my colleagues*
- *None of the "conference hotels" provided a free breakfast.*
- *The Hyatt Centric was over 100 dollars a night cheaper*
- *cost savings by opting to stay further from the conference center*
- *I booked early*
- *PSU*
- *KEX*
- *Cost is lower booked through our employer's travel agency, and my preferred brand was one of the conference hotels, which was unavailable. I opted to stay at another one across the river.*
- *conference hotels were expensive*
- *Too expensive*
- *Many Homeless folks in proximity of hotels. This is known.*
- *Expense -- Personally wanted to stay less than \$1000 USD*
- *Paramount on the West side of Portland.*
- *Less expensive option*

- *Inn at the Convention Center - my company would not pay for the other hotels due to how expensive they were compared to the inn.*
- *Marriott next door - for travel points*
- *cost, proximity, availability*
- *booked late, hotels full.*
- *Marriott Courtyard had a cheaper rate.*
- *Cost and location*
- *Conference hotels were full or the Hyatt. Do not have rewards at the Hyatt.*
- *Cos*
- *I chose an Airbnb because it was cheaper*
- *Because I was late .I didn't get any space available .*
- *Cost*



What were your primary reasons for attending the PEARC23 conference? Select up three (3) options.

	%	Count
Make a presentation	13.8%	67
Attend presentations	22.0%	107
Attend tutorials and/or workshops	20.3%	99
Network with colleagues	29.8%	145
Interact with funding agency representatives	4.3%	21
Attend exhibitor forums/interact with exhibitor representatives	3.3%	16
Get technical information/specifications	3.3%	16
Demo and/or exhibit projects	0.6%	3
Demo products/participate in an exhibit	0.6%	3
Other (please specify):	2.1%	10
Total	100%	487

Other (please specify):

- *Student program participation*
- *Act as a Committee member*
- *Work with the Students*
- *Find out if this is something that my organization should be attending regularly*
- *Student Program Co-Chair*
- *facilitate a BoF*
- *Student Program*
- *Get the information about the current US standing in CI (being from Europe, PEARC is one of the best for this purpose)*

What were the strengths of the PEARC23 conference?

- *Great conference addressing real world operational topics*
- *Networking opportunities as well as the variety of sessions available to attend.*
- *Speakers, presentations, format*
- *The student program was well thought out and executed.*
- *Smallish-size, sharp focus on academic research computing. Session not too busy; number of presentation sessions is quite reasonable. The student program seems to be highly enjoyable & beneficial. I am not a student; I just mentioned this as a matter of observation.*
- *Networking, learning and collaboration opportunities*
- *Location, Convention Center, Student Program*
- *Opportunities to Network and meet others*
- *The Oregon Conference center was a great location. The agenda provided plenty of time for breaks. The Monday tutorials & workshops were very useful.*
- *In my experience, PEARC's strength is its focus on the systems and applications admin/developer side of research computing, which is extremely relevant to my work. Unlike vendor conferences (e.g. Red Hat Summit, AWS Re:Invent), nearly all content is from fellow practitioners in the field, vendor-agnostic, and not laden with sales pitches. Compared to the ACM Supercomputing conference, it focuses less on computing infrastructure, and less on resultant research discoveries, and more on the practical matters of getting from the former to the latter. Also, it tends to be less "spectacular" than SC, which along with its narrower scope helps keep the event smaller, which provides for better networking opportunities and less overloaded schedules. Also, the Registration and Help Desk staff were helpful and efficient.*
- *Serves the needs of a broader swath of the research computing and data community.*
- *The wealth of knowledge, technical networking, and professional networking are uniquely valuable at PEARC.*
- *Great group of people, committed to PEARC goals, welcoming community*
- *Student program. Ability to network with people. The location was amazing!*
- *Excellent location, well organized, great accommodations. Solid tutorial / workshop topics, good paper discussions Visualization Showcase, Fun networking events, Inclusive environment*
- *The people, everyone I approached was very friendly and interested in hearing what I had to say or willing to answer my many questions. I was intimidated by the networking event, but it was a great experience!*
- *It was an all-round experience. The student program was amazing and insightful. It created a great atmosphere for networking and bonding. Also, the food was amazing! A big thank you to the organizing committee.*
- *Large number of attendees, unique exhibitors.*

- *Networking with colleagues Sharing of best practices, thoughts, and ideas Venue - convention center (although it did lose a little of the hotel lobby networking that happens normally)*
- *Networking*
- *The venue was excellent, adequate space for sessions and for meeting with colleagues during the breaks. All of the plenary talks were also excellent - great choices and very interesting presentations. Food was great and the receptions were fun and a great way to catch up with colleagues and friends.*
- *great location and well organized*
- *Tutorials*
- *-Seeing the state of Research Computing -Many of the sessions / tech data was very good - Networking with colleagues and making new connections*
- *It brings together the 'doers' across advanced computing sciences where we can share ideas and understand how our work fits together.*
- *lots of warmth from the hosts*
- *It works harder at being inclusive than other HPC conferences I've been to. It seems to attract a different, more diverse community of attendees, which I liked.*
- *Plenty of options to listen to panels, but plenty of room to network and chat.*
- *Great conference, great people, great program. No complaints whatsoever on this front.*
- *Great content, good community*
- *The "small" focused footprint. The various events I attended were comfortably sized. Not so small that I was in an idea "echo chamber" and not so large that one could not contribute.*
- *well organized- Hotel was good- convention center was fantastic- networking event was really good.*
- *Workforce track, good plenary sessions*
- *- welcoming community - opportunity to make new connections and renew prior connections - learning about others' approaches to common problems or situations*
- *Really great sessions that provide the ability to interact and learn from each other.*
- *The conference was really well organized and provided great opportunities to network; and look at some of the research that other people worked on. The food and constant coffee was great!!*
- *Venue, wireless connectivity, refreshments, the community.*
- *I like the community and the \*potential\* for the conference.*
- *Great people attended and had great conversations. Great venue.*
- *well organize*
- *Great venue, good content, ample networking opportunities*
- *The technical talks and tutorials. Having tables to sit at in all the presentation rooms. Really help in taking notes on a laptop computer.*

- *Well-organized; finding information during the conference was easy; refreshments were of good quality; venue had good installations with good hotels nearby; good diversity in the technical program;*
- *Great options of presentations*
- *Support for first-time conference-goers, and the structure of the networking events made it easier for me as a socially-unskilled person to meet new people more easily.*
- *Very well run and at a great facility. It helped having the hotels across the street. A well-balanced array of tutorials/workshops and paper subjects with plenty of opportunities to network with colleagues.*
- *Time to meet with colleagues*
- *Networking opportunities.*
- *Every session in the Student program was meticulously designed with the students' benefits in mind. I thoroughly enjoyed each session as they actively engaged both students and the presenters or mentors alike. The conference provided incredible opportunities for networking throughout its entirety.*
- *Amazing community, very welcoming, nice balance of technical and non-technical (i.e., strategy)*
- *The people of PEARC always help me learn and grow. They make me feel welcome, and I come back ready to take on the challenges of my regular job.*
- *Balanced program, good food and facilities*
- *There were a large number of people there to network with. There was a good variety of sessions to attend.*
- *I really enjoyed it!*
- *This is the ideal conference for our community of research computing professionals, giving people from training, workforce development, user support, scientific applications and systems administration backgrounds the opportunity to interact. The technical program is excellent. The conference seems to have become more competitive over the years and this is reflected in the quality of paper, posters, visualizations, panels and BOFs. PEARC23 just might be in the Goldilocks zone for conference size - big enough to feel exciting and dynamic, but not so large as to feel overwhelming. The student program is outstanding. In my opinion it serves two important purposes. First, it provides the students with concrete skill (elevator pitches, interviewing, salary negotiations), which I believe was the original goal. Second, and maybe even more important, it give the students a sense of belonging and access to an instant community. PEARC23 does a great job with communications, from website to mailings. Other than SC, which has much more resources and a paid staff, PEARC23 might do the best job of communications I have seen from a conference.*
- *I really appreciated the steps towards inclusion/accessibility like having a quiet room, and the "diversity" ribbons for nametags. There was a nice mix of panels/talks/tutorials. I mainly used the cvent app and it worked well for me.*
- *I thought the venue, organization and variety were top notch.*

- *I love the community and feel a strong sense of belonging in it. The conference is a great size with a great variety of topics and a great format for being able to connect with others and learn about their work. I appreciated that lunches were long enough to be able to network with colleagues, that the networking reception was covered by exhibitors (I found \$90 to be prohibitively expensive otherwise), and that the sessions were easy to get to and pop in and out of. I also appreciated being able to get a professional headshot taken.*
- *Great people, both students and mentors that were welcoming, diverse, and inspiring. Although this is my first conference, I do not think I'll have anything surpass my experience at PEARC due to the people I met and the things I learned. This was an extremely rewarding conference to take part in, and I am so grateful for the opportunity I was given to attend.*
- *Location, location, location - Please do not ever NOT do PEARC at a convention center ever again. PEARC has grown too large for events to be held at a hotel, meeting rooms were so much better than past PEARC conferences, there was also a lot more room for networking and impromptu meetings. Good, thoughtful plenaries. It is great that PEARC is inviting speakers from non-traditional and interdisciplinary fields for the plenary sessions. The complimentary transit pass idea was brilliant! I used it all the time during my time in Portland.*
- *Great interactions with colleagues Great presentations Good overview of research computing areas and trends*
- *The community was very welcoming and supportive, the conference ran smoothly.*
- *Good topics, but wanted more deeper technical coverage. Some BOFs were excellent while others seemed to lack preparation. I was hoping for more guru secrets to be discussed.*
- *It is a great community and the conference is small enough that you can meet other people and start collaborations. The material and focus aligns well with my role as Lead of Education, Training and Outreach, in fact it is nice to be at a conference where Education, Training and Workforce development is a first class citizen.*
- *Good variety of presentation/topic. Good mix and time arrangement of plenary, technical, BoF and panel sessions.*
- *The culture fostered is very supportive and welcoming. It was my first time but many people I talked to were encouraging and willing to support someone new in their career to get guidance on how best to transition into the field.*
- *Really solid presentations. Lots of opportunities to network with colleagues and potential employers.*
- *The sense of community was very strong. The sessions were interesting and informative.*
- *everything =)*
- *The food and snacks were much better and the networking event was really fun and engaging. The presentations were innovative and helpful and I intend to take several ideas back to my campus.*
- *Conference center was a good size/fit for the event. There was a broad range of activities and sessions in the areas I'm interested in. Plenty of opportunity to chat with colleagues informally.*
- *Discussing the talks with attendees. Really liked the public transport.*

- *The people who attend*
- *The convention center was great! We should do that again. The networking events were the best thing. Just hanging out with other PEARC attendees was the highlight of the conference for me.*
- *Student Program, workshops/tutorials, networking*
- *\* Good coverage across US academic and NSF based groups \* While still very white and male on average, a very accepting place*
- *Networking.*
- *The space was great this year, plenty of room.*
- *The access it offers to the experience and expertise of my peers. Its highly-competent and unpretentious organization.*
- *The community!*
- *Each session was well-organized and on schedule.*
- *It is a welcoming and friendly environment specially for students*
- *Blue star donut holes*
- *The community that attends is very engaged. The schedule was good, not too overwhelming.*
- *The size. It's not so large that it's impossible to find anyone, but not so small that activities aren't available.*
- *Bringing the community together*
- *Networking, food*
- *I understand our field has a terrible lack of gender diversity, but I feel at least that the emphasis and the number of conversations around this that I was part of were fully supported by PEARC.*
- *Well organized.*
- *The BOF sessions were great! I was so happy with the quality of the presenters and presentations.*
- *Very well organized both regarding technical contents and other logistics of breaks, networking, hotel, venue etc.*
- *The wide variety of attendees and the networking opportunities.*
- *Lots of opportunities for interacting with people and engaging in open discussion which was really great. Also, nice open area for networking with other individuals during the break. Great selection of talks/BoFs/posters/speakers. I enjoyed every session that I went to and walked out learning something new. Everyone was so friendly and passionate about their domain of expertise.*
- *Well organized, good time to get to sessions, good diversity in sessions*
- *Very well organized. Great use of the app - very handy. Good variety of presentations and presenters.*

- *Networking with peers*
- *The technical program content was strong. I found presentations or sessions of interest throughout the entire program.*
- *Networking event, 30-minute breaks, spacing during plenaries/lunch*
- *The conference is very well-organized, way better than SC. Good technical programs (presentation, workshops, tutorial, etc). Good networking opportunities. Excellent food. Small community, but almost 1/3 of people attend the conference. Feels like a family. Great conference!*
- *Bringing together diverse practitioners in HPC. The app was really convenient.*
- *Small but strong community*
- *Longer lunchtime. Separate hotels and venue. Availability of public transport. Not too large.*
- *welcoming environment, great student program*
- *The community and content*
- *Opportunities to interact; Location and layout of venue - good space, close proximity, good vendor space*
- *The community is always positive and the student program was well organized this year*
- *Non*
- *Excellent technical program.*
- *The convention center was a very nice facility for a conference although there were very few restaurants within walking distance. The passion of the community was visible and the mix of session types allowed for a range of participation.*
- *spacious location event app funding opportunities to attend several OAC representatives*
- *Pearc23 was an extremely well run event with many passionate attendees and like minded individuals. There were valuable presentations and interactions.*
- *Great networking opportunity and love the vendor sponsorships.*
- *Very well organized.*
- *Networking with colleagues and learning latest strategic policies and practices*

What improvements would you suggest for next year's PEARC24 conference?

- N/A
- *Add breakfast back! Consider locations that are more friendly to pedestrians and those depending on mass transit. It was great that we were given the HOP pass, but using the trains was unpleasant and sketchy. Folks I was with did not feel safe.*
- *Providing planning details further in advance and ensure information provided on the website is consistent and accurate.*
- *Pardon me for putting this in terms of negatives; but addressing the challenges below would help improve the conference experience. ON THE AGENDA The full program with abstracts is needed. Both in web & downloadable formats (HTML, PDF). The Cvent agenda on the web does not have the abstract; the same with Cvent app. The Cvent app cannot be deployed on a rooted mobile device. I don't think this is a right constraint to have. I was able to work around this, but it was inconvenient at first. Our event calendar should be accessible from the web version of Cvent as well. Maybe login is required too for this capability; I don't see that this year. ON THE WORKSHOPS ON MONDAY Too many workshops/tutorials of interest are conflicting on the same day. I had to miss many of them. Not sure if this is a solvable problem; some tutorial instructors put the materials on the web so can I catch up; that is nice. But it may not be the practice of everyone yet to do so.*
- *While I had high expectations for the city of Portland, I was dismally disappointed. Past locations have been wonderful and I know this was an outlier beyond control of the conference planners, but I look forward to meeting in a stronger location again next year. Otherwise, I enjoyed this year's PEARC tremendously, as I always do.*
- *Earlier coordination/scheduling information. Pull in more NSF AI Institutes.*
- *More communication sooner*
- *Stop serving lunch and allow attendees time to go out. Consider extending conference into Friday. Offer more tutorials & workshops. Offer more sessions of tutorials and workshops at different times so more people can attend and don't have to pick & choose between two they may find useful. Communication to authors and presenters needs to be improved. Reminders should be sent detailing where submissions lie in the process, and next steps required. The instructions for submitting need to be reviewed, as they don't match the process. The submission templates need to be reviewed (Last year's templates were used in Overleaf and still had last year's chairs listed). The entire submission & review process needs to be streamlined.*
- *Need to attract library and data management folks to the conference*
- *I would suggest to ensure that rooms are large enough to fit the number of attendees that could be interested. I missed multiple strategic sessions because there wasn't room for me to join. Over sizing is better than under sizing.*
- *none come to mind*
- *Having the schedule available sooner. Link to proceedings wasn't easy to find.*



- *Perhaps creating a visualization technical track, to allow for a more formal session for researchers to present their visualization projects and paper submissions - in addition to a fun expo-like visualization showcase.*
- *1) Refrain from offering signup for limited-attendance workshops and tutorials until after the entire schedule is published, so that people who need to decide the value in attending based on the scheduled content are not penalized and prevented from attending all useful tutorials/workshops. 2) Communicate with presenters in advance about the expectations for their presentations. I was presenting at PEARC for the first time, and did not receive any information about the expected length of my presentation or the template to use for slides, until I reached out directly to the track coordinator who sent me this information late Thursday before the conference, so I had to redo all my slides and timing on Friday. The Presenter FAQ was useful, but it was not sent to me in any email communications! (Maybe it was sent to the "corresponding author" on the paper, but I was the "presenting author" not the "corresponding author.") 3) Do not schedule events before 9:00AM unless they are breakfast / networking breaks. However, I do appreciate that the plenary sessions were scheduled for the start of the day, since if I have to miss anything I would prefer to miss the plenary. 4) Provide appropriately-sized rooms. The room I presented in was too small, and people were left standing in the back, sitting on the floor, and even finding me afterwards for a recap since they could not get in the door. 5) Provide attendees with the means to download copies of presentations. I uploaded my presentation to the Speaker site, but I have not yet seen any link for downloading presentations. 6) Use an app that does not require email verification every few hours. My employer prohibits access to company resources from personal devices that do not meet certain security requirements, and so I cannot access my corporate email from my personal phone. I raised this concern to the Help Desk and they offered to change my registration email to my personal email, but I prefer to keep my personal email to only personal use. 7) Find some way to get those Blue Star Donuts from the poster reception shipped to wherever we are next year, because they were delicious.*
- *Clean up registration process, have a description of what the sessions are about (this is probably difficult due to presenters needing to offer that context). Keep pursuing DEI, perhaps sponsor some attendance from MSIs and HBCUs?*
- *The lighting talk may not be given during lunch, many were distracted during the students' presentations.*
- *Food*
- *Ensure the safety of attendees Making the conference inclusive for first-time attendees More workforce development topics and sessions More networking opportunity Making sure there is enough break food for all Inclusion of safe space and quiet room was welcome Better, high-level, inspirational keynote speakers (not necessarily members from the community - or our peers - (e.g. DK Panda) and more diversity in the speakers (also don't leave our diverse speaker for the last day when many will have already left - that was a severe oversight!)*
- *Pick a location!*
- *If possible, use a convention center or other public venue as the location. Get the schedule of talks and events out as soon as possible.*

- *Make sure to not allow someone to sign up for conflicting time slots. Have a forum for activities outside of the conference. Hiking, running, travel, etc ...*
- *Better (safer) venue and organization - this was not that well organized. I'm not sure why the next chair did not attend (that should be mandatory), I'm not encouraged that next year's will be any better, but maybe if we stress how important it is to get on top of the organization, it will help make a difference. Good luck.*
- *-The tutorials seemed to be a little off this time. The one that I was in, for instance, had 9 attendees return from the FIRST break. It was that bad. Others in my group, at other tutorials, mentioned that they didn't get much out of them. They are mostly geared as introductions for novices, and not very deep technically. We were definitely looking for more advanced sessions. - I do not think the lunch lightning talks were effective.*
- *A++ - it's great as it is.*
- *maybe have it in the midwest or east coast?*
- *Continue to keep it in a transit-focused city. The transit options from the airport to the convention center were amazing, easy, and quick. Include more ad-hoc talks like lightning talks or hands-on things from vendors. I would also say that there was a minimum of security topics so encouraging paper writing and presentations about those.*
- *Along the pain points I expressed earlier: 1. It'd help to provide timeline earlier (even if very general at first), so people could better plan their travel. 2. Paid networking events are terrible, please do away with them. 3. Make sure \*I\* can specify the email I want to be registered. Not \*the conference\* telling me that only the ACM-connected one is eligible for discounted registration. There are better ways of testing my affiliation with ACM. Bonus point - I will be much more willing to share that address of \*my\* choice with the vendors! 4. Improve Cvent app. 5. Better calendaring*
- *See previous comments.*
- *Please invite companies from different areas. because we are using HPC in different fields like biology, and healthcare. if you invite companies and people from a variety of fields would be great*
- *- too many tutorials and workshops. It was tough to choose - don't have lightning talks during lunch. Those poor presenters - no one listened - limit number of papers/panels/workshops/tutorials/things that any single individual can be part of in terms of submissions/leadership/coauthorship/copresenters - broaden the pool of judges for best papers and phil andrews awards - brainstorm ways to get attendees to the plenaries all 3 days*
- *More Applications track talks: I feel like apart from a couple of sessions, most of the sessions focused on systems administration or was relevant for admins. Most of the talks I wanted to attend were at the same time as my talk session(Applications/porting tuning) so I could not attend them. I feel like having different kind of sessions at the same time would be beneficial for audience who are interested in specific topics.*
- *More hallway seating/gathering areas. Slightly larger rooms for presentations.*
- *As I said, room size. If attendees cannot attend what they want to learn about, what is the reason for attending? Might as well save time and money.*

- *eliminate guess fee for poster presenter*
- *The sound in the rooms weren't great for those with hearing impairments. The submission process is draconian and you should not have to write an entire paper to do a conference presentation. Consider a hybrid conference like Educause to accommodate people with life circumstances that make conference travel hard or that find attending a conference too stressful*
- *Larger capacity rooms for presentations; most I attended were standing-room only.*
- *The schedule was split into periods of "only paper sessions" or "only BoFs" or "only break". Imagine someone wants to attend a lot of paper sessions, and they don't care a lot about BoFs, or vice versa. They have to make hard choices because the sessions they care most about are stacked 5-6 on top of each other. Imagine if instead there is an all-day BoF track and an all-day paper track. If I want to attend BoFs, I could spend all day there. Also, Instead of scheduling in breaks during which nothing at all is happening, you could spread out the sessions to the entire day. This would help deconflict the sessions. Attendees can make their own choice of when to take breaks. --- I find BoFs at PEARC to be unlike BoFs at other conferences. The point of a BoF is to get the audience interacting with each other as a community. The organizer should gently facilitate but mostly shut up and stay out of the way. I sat in a couple of BoFs where the "panelists" talked for most of the hour, leaving relatively little opportunity for community interaction. (Or, the community interaction was via online survey / Q&A platforms, which seems to defeat the point of getting people in the same room.) I don't know how conference organizers would fix this, but I see a need to re-frame BoFs as conversations mostly driven by the attendees. --- Last year, I suggested PEARC introduce lightning talks. You did introduce something called "lightning talks", but these are not lightning talks, they are "student about me" talks. At other conferences, lightning talks generally work like this: attendees are encouraged to put their name on a list, they wait their turn, then they get the floor for 5-10 minutes to talk about anything they want. At lightning talks, people challenge others' assumptions. People speak truth to power. It's great, magical. But the lightning talks at PEARC were not like this. --- On wednesday, the PA system for the "student about me" talks was quite loud, there was nowhere to sit and eat lunch at a conversational volume. --- Finally: actual researchers feel very under-represented at PEARC. I don't know how to encourage them to attend. But the conference needs more representation from the community that its own community exists to serve. Hopefully this doesn't sound too critical. I appreciate all the hard work the organizers do. Please ignore as much of this as you need to preserve sanity.*
- *Have all the presenters have their slides available for download before they present, or at least afterward sometime.*
- *For session sign-ups, do not put size limits. After the deadline to register, I think you can then schedule the right-sized room for the presentations at that point. People spending money to attend this conference are not going to be stopped by the session being full if it is a talk they want to attend.*
- *Dedicated time to explore the exhibitor's floor. This was only possible during breaks when everybody was basically just concerned about grabbing food.*
- *food and drink options*
- *Improved information earlier on the website, please!*

- *I enjoyed the tutorials/workshops I attended, but both felt rushed in terms of working through the hands-on material.*
- *Please space out BOF's based on similar topics*
- *Breakfast. More chargers in rooms. First-time or early-career networking event?*
- *Some of the sessions I was interested in attending were happening in parallel, which poses a challenge for me to participate in all of them. I truly appreciate the effort you put into creating an engaging program. I was wondering if there is a possibility that the sessions could have been made available virtually after the conference. This would be immensely helpful as it would allow attendees like me to catch up on the sessions we couldn't attend in real time due to scheduling conflicts.*
- *A policy and strategy track would be nice*
- *I can't think of any way we could make the conference better.*
- *Pick a city that is NOT such a risky environment, please*
- *I liked how there was a "systems track". Please spread these presentations out if possible so they are not all happening at the same time. As a systems professional, that's what I wanted to go to, and in some time-slots there were no systems presentations, and in other time-slots there were 2-3. Also please do not have students talking during lunch. That was really annoying. Please give them a separate smaller room to present in, and allow us to network. I was trying to have a crucial conversation during lunch with a presenter, and we were having a difficult time hearing each other. Most lunch attendees started raising their voices to hear each other like we were at some kind of rock concert to hear each other. Many of the systems track presentations did not have enough room for everyone that wanted to come into the room. Please give us more room in the future. I'd rather have more chairs and no tables, than sit on the floor like I ended up doing at 3 of the sessions.*
- *Faster registration with less clunky workshop registration options as well.*
- *Rather than allow re-submission of short papers after full paper rejections, simply make all papers due at the same time, using a deadline that is somewhere between the current full and short paper deadlines. This would allow the technical program to inform authors earlier, but without requiring that we push the submission deadlines to some unreasonably early point. It also simplifies life for the tech program committee. While AV support for the conference was generally excellent, there were some issues with the audio in the plenary session. Specifically, the presenters could not hear questions from the audience since the speaker were in front of the presenters and pointed toward the back of the room.*
- *I wanted a break in the middle of the conference that was completely unscheduled -- time to catch up on work, have meetings with people, maybe provide some kind of creative activity/games. I know some of this was available at the networking event, or during the breaks but a longer break in the middle of the day with no expectations would be nice (if not very practical). Make sure there is seating at all events - this was true nearly everywhere except the poster session. Have a first aid kit and individual packs of ibuprofen/tylenol at the reception desk.*

- *I would remove the lightning talks during lunch, that time is better used for socializing and I feel that the presenters were not given full attention.*
- *Make sure to pick a safe venue. I felt a little unsafe venturing out beyond the conference center. It was nice when PEARC was in a single hotel in a safe city with good food options nearby. The SIGHPC CARES team should have more diversity; this year it was all white men.*
- *N/A*
- *Larger rooms for BoFs. PEARC is primarily a community gathering and information SHARING event; all three BoFs I presented at were standing room only (with about 8-10 people standing) per BoF. Please let's improve the spotlight on BoFs, giving them larger rooms and better times. Communication could have been much better than it was this time. Registration cost is too high. This is a barrier for members of our community who come from smaller and/or R1 schools.*
- *lack of diversity; seems all leadership is comprised of middle aged men from R1s*
- *Better indication of when workshops and tutorials are happening to enable better selection of which ones to attend*
- *Better exhibitor hall. Better location for lunch.*
- *Schedule tracks better. I found myself having to choose between two concurrent BOFs / presentations that were both relevant to a track which could have easily been scheduled sequentially.*
- *1.) modify the lightning talks - it was painful watching someone try to present while so many people were talking 2.) pay a bit more attention to the scheduling of events - a couple of tracks were double booked during sessions - 3.) call out, explicitly, the sessions that are NSF funding centric - a couple of them had interesting titles but in the end were not relevant to me and I left the session 4.) replace the NSF plenary with "Speed-dating with your NSF lead" - each NSF participant can be at a table and folks can join to ask questions or listen in - then after N minutes ring a bell and you need to move to another NSF person. 5.) replace short papers with "Work in Progress/Lightning" talks for each of the tracks - to capture the idea of the talk - have folks complete a simple Google Form (I've seen this work really well at other conferences that focus on developers and professionals who aren't academics.) 6.) align the plenary presentations with each of the primary tracks of the conference - not just big names and projects, but make sure that there is at least 1 plenary talk for each track - this will affirm the professional nature and value of the tracks*
- *Some sessions had standing room only left so slightly bigger rooms for the sessions.*
- *it would be great to see initiatives to encourage DEIA focused exhibitors or presenters or people from marginalized communities. Maybe something like a reduction in registration cost if you are able to do that at the conference would encourage more people? Or maybe a early career program like the student program.*
- *Some of the presentation rooms were too small.*
- *idk if I like portland but besides that, nothing*
- *Have larger rooms for more popular sessions. I had to skip or stand up for a few sessions that I really wanted to attend.*

- *Would like to return to the all attendees and meetings located in the same hotel. This gives a much much better opportunity to interact with people who you would not otherwise talk to.*
- *Better plenaries. I was not very impressed with any of them.*
- *N/A*
- *\* More complete registration when it becomes available \* Put out the schedule earlier for travel purposes \* Put more tables out during break times to facilitate more than just quick standing/walking interactions*
- *\* The networking event was very nice. The games were good and helped break the ice to meet new people. It's hard to chat and play, but I found myself playing a game with folks - then when trying to strike up the next game we got diverted into conversation. I'm not sure if there's anything actionable here - but it's just how it played out for me. I'd also suggest physical games like dance dance revolution or just dance if you can. \* I would almost take this a bit further and think about how you can extend this networking event to the entire conference. Games are a great way to encourage people to connect. It's a prompt to meet someone, and I think that may be the hardest bit when meeting new people - finding an excuse to initiate. Plus they're fun - so it's not like it's a forced interaction like speed networking or similar. You're having fun, you're laughing and now you're meeting someone new too! \* You may want to consider adding prominence to the organization on the badges. That was often the first thing I'd ask when meeting someone new. It's one known fact you can start a conversation over, which is nice because it immediately gives you something to talk about/break the ice over. \* related to this - maybe something related to the projects/technologies they're involved with as well. \* The lunch on Wednesday where students were introducing themselves was very strange for me. I'd suggest cutting this entirely and trying some other mechanism for these young people to introduce themselves/network.*
- *Find some way to get all of the sessions, workshops, and presentations recorded and made available at least to attendees. Even ask for volunteers to record the sessions on their phones and upload them somewhere, if that's all the conference can afford.*
- *Have the hotel and conference in the same venue like previous years.*
- *1) schedule and program not available until very late, this should be available weeks in advance! 2) Proceedings, before proceedings --i.e. PROPER proceedings for papers were made available the night before the first day of the conference, not in a google drive but from the very same ACM website -- this should be a MUST TOO 3) Poster and visualization sessions, would be better on the first two nights of the conference and not the last two... my guess is that the attendance of the last day was significantly less. Moreover, you get the chance to participants to see the posters before announcing awards for posters presentations. 4) it will be great to have access to slides from presenters 5) Although I realize it was a nice attempt, I don't think that the lighting talks during lunch time worked well...*
- *Ensure coffee and tea is available throughout the day*
- *Don't schedule presentations on the same topic opposite each other, spread out the tracks across the schedule.*

- *WIFI. It was a pinch point in many of the tutorials. Additionally the tutorials need a bit of improvement - me and my colleagues in other tutorials were not terribly impressed since many were simply running through ones available online and didn't really offer much extra information.*
- *Host conference in a large enough hotel, or conference center very close to hotels. Aim for a city with less of a homeless problem, a lot of people commented they didn't feel safe.*
- *Anything to reduce total cost of attendance is appreciated and would increase diversity of attendance. There seemed to be very little on public, commercial cloud usage. Most of the cloud sessions discussed only private cloud usage (openstack deployments, etc) and generally downplayed the use of AWS/Azure/GCP. I'm very skeptical that this is due to a lack of commercial cloud use by researchers, so I'd love an opportunity to discuss how other research facilitators support their researchers. I'd love such an opportunity to be present at PEARC. I still think the private cloud discussions are incredibly useful and should not be removed.*
- *streams / tracks could have been better organised - too often I had two I wanted to attend at the same time.*
- *Maybe try a smaller city in the central US. Des Moines. Minneapolis. St. Louis. This is not such a large conference, a smaller venue may improve experience without larger city issues.*
- *I still think I'd occasionally look around and see a lot of folks staying within their racial and gender groups, so I wonder if there's not better ways during workshops or other things to encourage breakout groups that can get people interacting outside their comfort zones for all of our benefit. I think we also really should have something like a question and answer ether pad page for most rooms so that folks who don't feel like they have the social capital to stand up with a mike to ask their question can still voice their curiosity. Perhaps also remove the faq verbage about dress code. Those who would like to wear more business casual attire can continue to because it helps get them in the right mind set, I think for others being comfortable in a unfamiliar setting like this it might help knowing that if they chose to relax their dress code it's not going against some kind of official recommendation. I talked to someone with a great idea about having specific tables at meals that have a person who is a "facilitator for conversations" or something like this. It would be someone who has a few on hand questions to get the people at the table talking, or helping folks who might not speak up otherwise feel invited for input. I don't know if it's possible to do this is a way that doesn't make the people who are already uncomfortable more uncomfortable for having to seek this help out, but it's an idea I wanted to share anyways.*
- *You have an impression that you would not be able to attend presentations or workshops because the app is showing that all seats have been taken, this is very confusing. All the workshops in one day, this is inconvenient since I would like to attend two but these workshops were scheduled at the same time.*
- *Many systems track sessions ended up as standing-room only (not enough seats). This is a good problem to have because the sessions were well-attended, but something should be done to ensure there is enough space for everyone.*
- *PEARC should start charging for tutorials again. The attendance estimates were very inflated. This might have discouraged some from attending. No more 8 am starts. That was too early.*

- *Do not do it in Portland, do not do it in Portland, do not do it in Portland, ... I felt unsafe outside of the conference area (especially since this was my first time on the west coast) so I would appreciate it if a safer area was chosen in the future. Maybe Pittsburgh or another great-lake city. I think the schedule was great, but I would have preferred if the conference went all day Thursday (maybe a closing ceremony/lunch and optional social hour/after party). My company has an after party at the end of the final lunch plenary. I think it works great because it encourages people to hang around and wrap up before going separate ways, and there is no pressure to attend for people who need to leave right after the event. I like being able to say goodbye since I don't know who won't be back next time.*
- *Better food and drink - not adequate throughout during breaks. Bigger rooms for BOFs and breakout sessions*
- *End conference days earlier in the afternoon.*
- *Don't include presentations at lunch time. Better food options . The lunch and reception food was terrible*
- *more support for first-time attendees and/or those from under-resourced/MSI organizations (see results of the MS-CC/MSI BOF); more content around CI/computing/date in the classroom (key for smaller/under-resourced institutions); earlier/clearer communication around networking event(s), award presentation days/times*
- *More papers, bigger presentation rooms. The rooms quickly filled up after a few minutes after the sessions started. I have to stand in the back for some sessions.*
- *Earlier and better advertisement of the program/agenda. Signs near doors of room with the next/current session held there. More outlets in the conference rooms.*
- *Light breakfast Rooms to have adequate chairs Banners/ipad outside tutorial rooms like SC*
- *allow more time to relax and network -- the conference starts too early and packs too much in*
- *More break food options*
- *Publish the detailed schedule MUCH earlier*
- *Non*
- *Better organization of Workshop signups so that attendees know which Workshops are overlapping when they sign up.*
- *Consider shorter sessions, no more than an hour, or include breaks if the sessions must be several hours long. Breaks provide more time for discussion among attendees as well as being easier to sit through. Consider providing some high top tables for those who can't sit for long periods of time.*
- *better hotel rates early publication of outline agenda broader participation by other funding agencies (perhaps Washington DC as the venue)*
- *The event was well run and organized. I'm not sure changes are needed*
- *More time to network.*
- *More technical sessions and workshops or training sessions for new graduates like me.*



- *More streamlined website/app conference experience*

How would you like to see the PEARC conference series change or develop in the future?

- *The availability of co-located events is useful and I'd like to see that continue.*
- *n/a*
- *I wish we could lure some CIO's, VPRs, and other institutional stakeholders whose primary focus is not on research computing and date to PEARC. This is our best showing of What's Important, What's Challenging, and What's on the Horizon in our field. I need my CIO and VPR to know that it's not just me/us and I'm not making just vying for attention. If we could get them in these sessions and talking to this group of people every year, we would make so much progress.*
- *More involvement from NSF AI Institutes.*
- *I would like to see it become more of a globally welcoming conference. I felt welcome but a lot of the American focused discussions were not as relevant to me and therefore some of the opportunities presented were not an option since I live outside the US.*
- *Put a larger focus on tutorials and workshops.*
- *I enjoy the technical presentations and would like to continue to hear more from my colleagues and peers in research computing systems and software administration and development. I did notice that like last year PEARC continues to be geared mostly towards academic and federally-funded RC, and I think that we could benefit from welcoming our colleagues in commercial industry R&D (but ask them to please leave their sales departments at home).*
- *More holistic around the research data lifecycle.*
- *I think it's fine as is.*
- *There's a student program, but maybe have an early career program of some sort. Some sessions seem to be repeats year after year, so having new topics and presentations.*
- *Continue to engage with other FFRDC (e.g., DOE funded labs), for broader HPC engagement, topics, lessons, and perspectives. More visualization!*
- *Maybe some entry level workshops? I'm a new reseach technology facilitator for my campus and I have experience in Linux but mostly just as a small personal server instance. Theres so much knowledge that was over my head that made me feel like a small fish in an ocean at times. It's a large ask for such an edge case situation so I'd understand if this wasn't deemed feasible.*
- *I feel not qualified to comment*
- *Invite more communities, different funding agencies, more institutions More workforce development sessions More space in the conference rooms/meeting rooms to grow Safe and clean hotels*
- *Continue with both the technical tracks and the workforce development/education tracks. Include a track/session for newly emerging technologies.*

- *Conference data: What was the mean and median age at the conference? What was the ratio of men to women at the conference? Given the answer to the questions above, are we doing enough to hand over the touch to those that follow? I would also like to see a PEARC group project, "If PEARC were a course, what would the syllabus look like?" It would be fun to have folks contribute lectures to the classes and have a 10 min lecture for each course topic. Allow the vendors to participate if they can be vendor natural.*
- *I would like to see submission of more science application talks as a focus. This seems to have vanished in the current incarnation of the series.*
- *-More advanced tutorials / sessions*
- *Since this is my first PEARC conference I think that I'll need a little more experience before weighing in too much. One thing that I think would be very interesting would be to invite/hear from actual user groups for compute systems. I would be interested in hearing from strategic partners beyond the usual suspects - as advanced computing expands into broader stakeholder groups who are they and what are they leveraging the systems/resources to achieve?*
- *more security topics*
- *See previous comments.*
- *That's great and you are doing great job*
- *- more diversity in conference chairs (as a series, the PEARC chair role has been dominated by white men) - across the years, have a standard set of criteria, training and methods for reviewing submissions. - lower cost of registration - easier format for program schedule*
- *Sustainable growth would be ideal. A lot of NSF presence, but could use more DOE/DoD/NIH/NOAA/NASA.*
- *ROOM SIZE. I'VE SAID THIS FOR FIVE YEARS.*

- *The schedule was split into periods of "only paper sessions" or "only BoFs" or "only break". Imagine someone wants to attend a lot of paper sessions, and they don't care a lot about BoFs, or vice versa. They have to make hard choices because the sessions they care most about are stacked 5-6 on top of each other. Imagine if instead there is an all-day BoF track and an all-day paper track. If I want to attend BoFs, I could spend all day there. Also, Instead of scheduling in breaks during which nothing at all is happening, you could spread out the sessions to the entire day. This would help deconflict the sessions. Attendees can make their own choice of when to take breaks. --- I find BoFs at PEARC to be unlike BoFs at other conferences. The point of a BoF is to get the audience interacting with each other as a community. The organizer should gently facilitate but mostly shut up and stay out of the way. I sat in a couple of BoFs where the "panelists" talked for most of the hour, leaving relatively little opportunity for community interaction. (Or, the community interaction was via online survey / Q&A platforms, which seems to defeat the point of getting people in the same room.) I don't know how conference organizers would fix this, but I see a need to re-frame BoFs as conversations mostly driven by the attendees. --- Last year, I suggested PEARC introduce lightning talks. You did introduce something called "lightning talks", but these are not lightning talks, they are "student about me" talks. At other conferences, lightning talks generally work like this: attendees are encouraged to put their name on a list, they wait their turn, then they get the floor for 5-10 minutes to talk about anything they want. At lightning talks, people challenge others' assumptions. People speak truth to power. It's great, magical. But the lightning talks at PEARC were not like this. --- On wednesday, the PA system for the "student about me" talks was quite loud, there was nowhere to sit and eat lunch at a conversational volume. --- Finally: actual researchers feel very under-represented at PEARC. I don't know how to encourage them to attend. But the conference needs more representation from the community that its own community exists to serve. Hopefully this doesn't sound too critical. I appreciate all the hard work the organizers do. Please ignore as much of this as you need to preserve sanity.*
- *yes*
- *Actually do something about diversity and inclusion instead of just measuring how abysmal the numbers are*
- *Have a table topic session. The idea is that each conference attendees can submit some topics they would like to discuss with other peers. Then have a large room where the topics are placed on large tables. Attendees then can go to the table of their chosen topic and talk with others on that area. A place to share and learn from each other.*
- *better layout of tracks and less overlaps to attend more*
- *Its focus on DEI is a highlight of the conference and one that sets it apart and makes it more broadly valuable than other conferences. I would like to see this continued and deepened.*
- *It's great, no need for changes*
- *I just had one concern regarding the parallel session which I mentioned earlier. I liked rest all in current format.*
- *Perhaps a city that is a bit less dangerous :) Walking around the conference venue was a bit precarious.*

- *I am a proponent of having some of the facings meet like we did for CaRCC. I would be an advocate for the Non-R1 discussion or maybe an emerging centers meet-up.*
- *Please continue to develop the emphasis on research technology community interaction and development*
- *I hope that using a convention center rather than a hotel to host future PEARCs will become the norm rather than the exception. For the first time I can remember, the exhibitors had adequate space to interact with attendees and the student program was well-integrated with the rest of the conference. The rooms for the technical sessions were appropriately configured and the poster session was spacious enough for attendees to socialize and hear the presenters. Convention centers are also better suited to provide the level of AV and Wi-Fi that we need.*
- *Continued work on bringing in and welcoming new community members (building on ideas from the MS-CC and PEARC inclusion BOFs) Having a specific template for tutorials and BOFs submissions (instead of having to hack apart the official ACM template into something that makes sense) Presenting some sessions (plenaries?) as hybrid sessions, with online participation. Consider international scope (?)*
- *I hope there is good knowledge transfer between the outgoing and incoming volunteers who run the conference. Always want to see diversity in the organizing committee. Continuing to foster an inclusive environment is important. Making sure that everyone can attend who wants to and everyone has a dignified experience. I think it's great that the student program could fund so many students this year; hopefully that continues.*
- *I'd love if there was a BOF for members of the student program that involved the theme of the conference for that year. I think it would be cool to have students break into groups and talk about ways to make a difference in the RCD/HPC community. This could also include generalizations about this field like how to make it more inclusive, accessible, and documented. I feel that a Birds of a Feather presentation could allow experts in the field to interact with those currently learning about it and provide meaningful guidance to those that were inspired to do more and want to make a difference while still in school.*
- *Lower registration cost. Maintain the longer breaks - it is great for networking. Continue the emphasis on non-traditional and interdisciplinary research. Only host at convention centers going forward. Acknowledge the entire team who made the conference possible. I noticed only the conference general chairs were acknowledged this time.*
- *take dei more seriously; do something for those new to conference*
- *Another day (or half day) of workshops and tutorials to spread out the options so people could attend more than one or two*
- *Add professional development sessions.*
- *Perhaps more sessions on "managing" and "resourcing" research computing infrastructures. I would also encourage the planning committee to engage more with other federal organizations that sponsor our research (eg DOE and DOD) as well other organizations that support similar initiatives (eg., COGR) but from a slightly different perspective (COGR is focused on research compliance) issues*

- *I'm not sure yet. It was my first and overall, I really enjoyed it and found it rewarding. Maybe make breakfast available. Some presentations were schedule really early 8am without providing breakfast. Make it less expensive, by half.*
- *I see PEARC growing and would like to see more non-PACI-TeraGrid-XEDE participants but at the same time I like a small conference - it is so much easier to build collaborations - balancing those items is hard - but should lead to a solid community.*
- *Try to make it more affordable to attend (registration fees, accommodation costs).*
- *I would like to see more diversity efforts, maybe bofs for different groups to be able to network more?*
- *"-facings" BOFs should happen in such a way that the RCD+ professionals can attend more than one.*
- *Add incentives to encourage more diversity and increased registration from more that just R1 and R1 organizations, like 'bring a new friend' discounts discounts for multiple attendees from the same institution.*
- *Encourage more end users of CI to come and present and interact*
- *I have no suggestions.*
- *N/A*
- *Add more groups beyond the core US academic and NSF-funded institutions. Of the other major US compute groups, the DoE has a small presence and could grow, and anything beyond that (DoD, NASA, NIH) is nearly non-existent.*
- *Sadly - I added all I had in the last text area. Maybe provide 1 text area for all feedback because the person filling out the form doesn't know what's next.*
- *It would be great if the conference could grow at least a little bit longer to allow some workshops and presentations to be held more than once. There are always sessions/presentations/workshops I wish I could have gone to, but couldn't because they were scheduled at the same time as even more useful sessions/presentations/workshops. Making recordings available would help address this at least partially.*
- *Things seemed thrown together a bit at the last minute this year. The conference came out well, but a bit more information on sessions and schedule sooner would have been more helpful in planning.*
- *Go to other types of venues, have smaller regional conferences*
- *More inclusions of underserved institutions - TCUs and HBCUs. It's nice that leading institutions such as R1s like mine and federal institutions are there, but this community can better serve the smaller ones.*
- *Some of the bofs need more time,*
- *Create an support a Visualization track.*

- *I think Pearc has the potential to include easier submission avenues for non academic backgrounds. This was brought up during the plenary but I think also during the "state of Pearc" bof. I for one will probably not find myself working out the ACM template and the publishing process if it proves too difficult. I did however present some of my material at RMACC and it was a very simple process of just submitting my abstract and then scheduling my piece. I feel like this would also greatly diminish the work required by the many volunteers at PEARC if the review rounds are lighter then better feedback gets provided to the folks who want the academic cited credit.*
- *I do not know.*
- *I attended the all-day container workshop on the 23rd. This proved to be one of the best opportunities for me, as the people I met there ended up being the people I connected with the most by the end of the conference. It may be that this could be expanded to include multiple all-day workshops on the first day of the conference. I recognize this was a co-located event, but I think it should be made a formal part of the PEARC agenda.*
- *It is on the right track. The reviews should look for papers that present achieved results and are not just presenting concepts.*
- *I like the format, but it is very expensive. If it were cheaper, we might get more academic attendees.*
- *Cybersecurity focused track.*
- *Do not do it Portland. I would also like to maybe see inclusion of an early career program for HPC professionals just starting out in their career. I felt slightly excluded as a young professional in industry especially since the mentoring/professional development workshops seemed more focused on students with a background in academia.*
- *More systems-facing presentations*
- *More participation by federal agency representatives beyond NSF.*
- *We have to more deliberately and explicitly acknowledge 'advanced research computing and data' or \*computing and data infrastructure\* in educational contexts. Education drivers increasingly require similar resources and are a more central mission for the smaller and underresourced institutions we want to engage, as well as being increasingly critical across our higher ed constituents with the integration from data science and AI across curricula. And we need to break down our engagement beyond minority-vs-non-minority or MSI-vs-non-MSI categories so that we can truly reach indigenous and black communities.*
- *more focus on DEI, start later in the morning*
- *No change needed, common format is working*
- *No major changes required.*
- *Increased focus on networking type of events*
- *Increased attendance to a broader audience*

- *The theme of this year should be part of PEARC every year in some sense. Also, we should have sessions on future technologies like quantum computing etc that will impact HPC infrastructure we already have in near future.*



What best describes your job title or academic status?

	%	Count
Executive leadership (e.g., VP, CIO, director, manager, etc.)	29.1%	51
University faculty or equivalent	4.6%	8
Research staff	17.1%	30
Research Computing and Data operations/support (non-executive leadership)	32.0%	56
Postdoctoral fellow	0.0%	0
Graduate student	8.6%	15
Undergraduate student	2.3%	4
High school student	0.0%	0
Corporate/Industry professional	1.7%	3
Prefer to self-describe:	4.6%	8
<b>Total</b>	<b>100%</b>	<b>175</b>

Prefer to self-describe:

- *Research Software Engineer*
- *Research Technology Facilitator*
- *Consultant to academic leadership*
- *University Staff engaged in outreach*
- *Non-research staff*
- *Graduate Student and RCD operations/support*
- *Intel*
- *Graduate Researcher*

Please describe your institution. Select all that apply.

	%	Count
EPSCoR institution	4.0%	7
Minority-serving institution	1.7%	3
Associate's college (all degrees are at the associate's level)	0.6%	1
Baccalaureate college/university	2.3%	4
Master's college/university	5.1%	9
Doctorate-granting university	47.4%	83
Teaching-focused institution	1.7%	3
Research-focused institution	17.1%	30
Government lab (or other federally-funded research and development center)	8.6%	15
Non-profit organization (non-academic)	2.9%	5
Corporate or industrial organization	2.3%	4
Non-US institution	1.7%	3
Other (please describe):	4.6%	8
Total	100%	175

Other (please describe):

- *Self-employed*
- *R1, MSI*
- *Doctorate-granting University, Research-focused institution*
- *Intel*
- *state funded*
- *This was not an actual multiple choice question it seems. Many of the above - R1 ESPCORE university with master's and doctorate programs.*
- *The text for this section says "Select all that apply" but the section is limited to a single selection. My institution is a "Doctorate-granting university" and a "Researched-focused institution" (ie., R1 university)*

With which race and/or ethnicity do you identify? Select all that apply.

	%	Count
American Indian or Alaska Native	1.1%	2
Asian	15.4%	28
Black or African American	3.3%	6
Hispanic or Latinx	3.8%	7
Middle Eastern or North African	0.5%	1
Native Hawaiian or Other Pacific Islander	0.0%	0
White	63.2%	115
Prefer to self-describe:	1.1%	2
Prefer not to disclose	11.5%	21
Total	100%	182

Other (please specify):

- *Punjabi*
- *Really hard to remain anonymous by filling this out...*

What is your gender?

	%	Count
Male	62.3%	109
Female	24.6%	43
Non-binary	2.3%	4
Prefer to self-describe:	0.6%	1
Prefer not to disclose	10.3%	18
Total	100%	175

Other (please specify):

- *Really hard to remain anonymous by filling this out...*

How likely are you to request assistance for childcare, eldercare, or assistance for those with disabilities and travel companions should it be available for PEARC24?

	%	Count
Extremely unlikely	62.6%	109
Somewhat unlikely	12.6%	22
Neither likely nor unlikely	13.8%	24
Somewhat likely	7.5%	13
Extremely likely	3.4%	6
Total	100%	174

Please share any suggestions about how the PEARC conference series can prioritize efforts to support and expand its diversity, equity, and inclusion (DEI) activities.

- *n/a*
- *Better advertise the availability of the resources you've worked to put in place over the past few years. I unfortunately had to miss the State of DEI at PEARC session due to a conflicting session, but I'm sure that was the kind of thing I'm looking to hear. In addition, make those resources prominently known in the registration process.*
- *Subsidies for attendees from EPSCoR/MSI/etc. institutions?*
- *Disabled folks shouldn't have to request accommodations, they should be accommodated by default.*
- *I've felt included at the PEARC conferences.*
- *Work with MSI support/advocacy organizations like AIHEC, NAFEO, HACU, MS-CC to develop outreach strategies, identify activities/content that would be particularly relevant to MSI faculty and students*
- *Early I said perhaps sponsoring attendance from HBCUs or MSIs, but you could go further such as having a mentor program if that would help some with any nervousness.*
- *More diverse speakers First-time attendee opportunities to feel people more welcome Prioritize DEI for the conference - attended the BoF on DEI and it was great to see the conversation happening, but would like to see some action on the part of conference organizers to prioritize DEI*
- *see my other comments*
- *Really, need to encourage and incentivize participation by individuals that are traditionally not well represented in advanced research computing. The population attending skews heavily white or asian male, which makes for a very much less than welcoming environment. This comes alive especially outside of formal sessions, eg, in networking events, where any hope of a welcoming environment quickly dissipates.*
- *I think a good job was done to make it clear that all are welcome. Continue!*
- *I definitely support providing childcare, eldercare or assistance for those with disabilities even though I don't expect to need that support personally. Also, I want to thank you for creating a welcoming and diverse environment this year.*
- *More "newcomer" attendee events. I would encourage this not to be just "first-time" attendee things because someone may have not been in a while and want to know what to do. But smaller mixers, pop-up BOF tables during breaks, or even just game rooms and interactive idea boards can foster more collaboration.*
- *Need much better ways to engage and encourage BIPOC folks, students, and potential RCD professionals to attend PEARC and learn more about this community. Good ideas came out of the MS-CC session on this (Tuesday afternoon).*
- *No suggestion, it was a good conference. Thanks*

- *- full scholarships for attendees (non-students), specifically focusing on recruiting from smaller institutions*
- *Try to include new presenters. While all the sessions I attended were great, many were the same presenters as last year. This could be due to a lack of other submissions, but it would be great to try and bring in new presenters.*
- *Maybe make it less expensive? I don't know.*
- *invite speakers and presenter who are from the global majority*
- *The above question is really strange. I am unlikely to request such accommodations because i don't need them, but i am 100% in support of PEARC providing them.*
- *The session on DEI led by Marisa Brazil was a fantastic way to gather ways to do this, and created a wonderful document to be used for guidance. I don't have anything to add to that document.*
- *I go to PEARC to learn more about how I can do better with DEI. This is the greatest group of humans I get to be around. I am thankful for the opportunity and have nothing to contribute other than my gratitude.*
- *support remote participation (hybrid format)*
- *I feel that the program did an amazing job at supporting DEI activities*
- *Work with local DEI orgs to amplify their work at the conference. Have diverse plenary speakers both in terms of research as well as speaker bios. Make DEI a criteria for submission acceptance and make that clear in the CFP. Give examples of what this looks like in the CFP.*
- *Offer scholarships to or advertise to institutions with lower HERD research expenditures to provide information and connections to those who may not be aware of PEARC and research computing opportunities.*
- *DEI talks, sessions, and workshops. Invite DEI student programs to exhibit.*
- *Socialize the conference with DEI related programs. Perhaps partner with EDUCAUSE which has an extensive DEI program underway.*
- *Following the Sustainable Horizons Model - could you put together a team of "ambassadors" who can visit - by Zoom perhaps (need to check network bandwidth) - HBCUS, Tribal Colleges, community colleges, smaller schools across the nation, and talk about the work of PEARC and research computing and supercomputing? Find colleagues with connections to these schools and actively recruit rather than waiting for them to find us.*
- *If there are grants to support marginalized groups (race, disability, gender and sexual orientation) to attend, increasing the awareness of those in advance because I didn't hear about any travel grant opportunities until I was already at the conference*

- *Ask attendees themselves to help spread the word and encourage attendance from minority servicing institutions - this would be a great way to use the 'bring a new friend' incentive. Give a 25-50% registration discount to first-time attendees that are from MSI institutions and 10% discount to the referral person. Outreach to MSI student organizations via newsletters or distribution emails with emphasis on travel grants available. Update the PEARC registration/information page to include diverse participants highlights where they show their image/career title/ and some limited personal background. It's not always about wanting to see someone that looks like you. Sometimes it's about having relatable backgrounds and/or experiences. For example, "I'm a black woman who was born in Chicago and raised in Arkansas. In high school, I wanted to be an artist. In college, I wanted to be a doctor. Right now, I'm a Research IT consultant that enjoys teaching introductory programming and helping researchers resolve their research challenges through the integration and usage of digital tools and technology. I enjoy riding my motorcycle, reading, watching anime, hiking, and wine tastings."*
- *Perhaps focus on getting underrepresented groups to the conference in the first place. If they are not there then they cannot contribute to the discussion*
- *N/A*
- *Bring more young DEI people there with travel grants and put together a mentorship program that pairs individuals with multiple mentors that will check back in with them periodically over the course of the next year.*
- *1.) Make clear requests to vendors and sponsors that their support of PEARC's DEI goals is greatly appreciated and is absolutely noted by attendees. 2.) Make available (or support/encourage the availability of) anonymized real-time audience question-submission solutions like the system used by the OpenHPC presenters. 3.) Actively seek/encourage/support protected-class-owned vendors as sponsors, possibly even just offering them free vendor booths/tables. 4.) Publish a measured but clear policy regarding never holding PEARC in a US state that fails to support the minimum required human-rights standards of PEARC attendees (including, of course, surveying us to find out what those minimum standards are).*
- *Travel support to DEI attendees and targeted outreach to under-represented institutions.*
- *Add childcare on site for participants with kids*
- *highlight research or teaching activities from MSI faculty/researchers in the plenary sessions*
- *A lot is already done. I do not have many suggestions at this point.*
- *We're already a rather diverse community, how can we showcase that?*
- *My suggestions were shared through a few of the great sessions that were held during the conference, so I'll save on redundancy.*
- *I do not know.*
- *Include a program for early-career working professionals in HPC who started working after school rather than pursuing a higher level of education. Perhaps the student program could be modified to include early-career working professionals as well.*

- *networking event(s) targeted at underserved, underrepresented communities and allies. e.g., the CASC + WHPC event*
- *Please see my prior comments. We need language and support strategies that engage more group. It's not just that there are \*new\* communities that need CI - there are many (across domains, institution size/shape, etc.) that have already/always needed it but WE haven't recognized and included their needs well/explicitly enough.*
- *ensure a focus on DEI at all areas from the plenary to adequate time between sessions, start later*
- *Identify and connect members of the under represent communities and incitvice participation then use them as ambassadors to their community respectively*
- *the same faces show up year after year except for the student program. perhaps discounted rates for first time attendees.*
- *Offer discounts and incentives for underserved community to attend.*



Please note any additional comments you would like to make regarding PEARC23.

- *Loved it! Thank you!*
- *Thank-you for what was overall a great conference!*
- *The question on this survey that says "Please describe your institution. Select all that apply." is broken and only permits a single selection.*
- *PEARC is a great conference for CI professionals. Thank you!*
- *Thanks for all of the chairs and committees' efforts in putting this event together. It was a great experience, and I can't wait to attend again!*
- *Great conference and great community of people. I look forward to this each year and love to see the growth in the community.*
- *Please choose safer, more welcoming cities than Portland. I was hoping it would be better in the summer, but, it is breathtakingly bad.*
- *NA*
- *overall great experience*
- *Thanks for a great conference!*
- *ROOM SIZE. Get it?*

- *The schedule was split into periods of "only paper sessions" or "only BoFs" or "only break". Imagine someone wants to attend a lot of paper sessions, and they don't care a lot about BoFs, or vice versa. They have to make hard choices because the sessions they care most about are stacked 5-6 on top of each other. Imagine if instead there is an all-day BoF track and an all-day paper track. If I want to attend BoFs, I could spend all day there. Also, Instead of scheduling in breaks during which nothing at all is happening, you could spread out the sessions to the entire day. This would help deconflict the sessions. Attendees can make their own choice of when to take breaks. --- I find BoFs at PEARC to be unlike BoFs at other conferences. The point of a BoF is to get the audience interacting with each other as a community. The organizer should gently facilitate but mostly shut up and stay out of the way. I sat in a couple of BoFs where the "panelists" talked for most of the hour, leaving relatively little opportunity for community interaction. (Or, the community interaction was via online survey / Q&A platforms, which seems to defeat the point of getting people in the same room.) I don't know how conference organizers would fix this, but I see a need to re-frame BoFs as conversations mostly driven by the attendees. --- Last year, I suggested PEARC introduce lightning talks. You did introduce something called "lightning talks", but these are not lightning talks, they are "student about me" talks. At other conferences, lightning talks generally work like this: attendees are encouraged to put their name on a list, they wait their turn, then they get the floor for 5-10 minutes to talk about anything they want. At lightning talks, people challenge others' assumptions. People speak truth to power. It's great, magical. But the lightning talks at PEARC were not like this. --- On wednesday, the PA system for the "student about me" talks was quite loud, there was nowhere to sit and eat lunch at a conversational volume. --- Finally: actual researchers feel very under-represented at PEARC. I don't know how to encourage them to attend. But the conference needs more representation from the community that its own community exists to serve. Hopefully this doesn't sound too critical. I appreciate all the hard work the organizers do. Please ignore as much of this as you need to preserve sanity.*
- *DO SOMETHING ABOUT DiVERSiTY and INCLUSION! Also include resources for those with physical disabilities at the conference. I went to Educause last year, and saw many people using assistive devices, which i've never seen at any other conference. Turns out that the assistant to the Educause president is a wheelchair user and her input makes people in that community know they'll be accommodated appropriately.*
- *The first blurb I posted addressed all the free response questions.*
- *Amazing! Amazing!*
- *Thanks so much for the best conference I've ever attended!*
- *This was a great experience and I hope to contribute as a planning committee member for one of the tracks in the future. I really appreciate this conference and look forward to being a part of this community.*
- *If you schedule PEARC in a location where all of the nearby hotels don't provide breakfast, it would be nice if the conference provided breakfast. The for-purchase hotel breakfast was more expensive than the allowed per diem for my institution. The Hyatt across the street from the convention center wanted \$27 for breakfast!*

- *The food at the Oregon Convention Center was outstanding. Brisket at lunch, duck pot stickers and lamb appetizers at the poster session, excellent variety of local food at the networking event! Only complaint is that the morning breaks could have been a little heartier.*
- *Having a better program would be helpful*
- *Thanks for all the work that went in to making it happen.*
- *great conference, great community, thank you for choosing locations that feel safe for all of us - as someone from an FFRDC I don't yet feel that I fit, but that will happen over time. I got some great collaborations started while I was at the conference - in that respect it is so much more valuable than SC. If funding changed and I could only attend PEARC or SC - I would likely choose PEARC.*
- *I think PEARC is headed in a great direction and I hope that it can accelerate that way even faster*
- *The conference was great and I look forward to attending in the future.*
- *May the book the next conference for a location that take into account both DEI principles AND would be nice to walk around and explore beyond the conference. Repeat locations that encompass both these are good too.*
- *Very well organized conference this year. Thanks very much to the organizers and volunteers!*
- *I had a great time. Thank you.*
- *Please think about conference scheduling and location. Having morning sessions on the last day is hard for any east coast person. Their options were to skip the last day to fly back or attend and do red-eyes back the next night, or attend and justify an extra hotel night to fly back the next day.*
- *Please continue to give great attention to offering activities (both at the networking reception and throughout the conference) that are effective at helping socially-challenged attendees interact with other attendees more. Please consider consulting specialists in this like scout leaders, elementary-school teachers, and high-school athletic coaches. Nothing dramatic or forced, just please continue to look for natural opportunities to enhance the community-building social opportunities of the conference, especially with attention towards attendees who may be considerably less natural or comfortable interacting socially.*
- *Nice job with the transit passes. Maybe pick next conference location near one of the big resource providers, then have optional tours of the provider's facilities.*
- *I'm not sure if this is a common conference practice, but it might be nice to have some way to indicate how full a room is. I attended more than a few talks where the presenter's focus was constantly interrupted by the opening and closing of the door when people tried to come in, realized how full it was, and then shut the door again.*
- *Thanks 🙏*
- *Great job! This was the best conference I have attended so far!*
- *Do not do it in Portland again.*

- *Start the conference off with a plenary session and end it off with a really good one (a speaker who is high powered, energetic and engaging) in a plenary session the third day in the afternoon as some people start leaving on the Thursday of the conference.*
- *This was a wonderful conference. Our community has diversified so much just in the past 10 years, and I can't wait to see what more we can achieve. Please pass on my gratitude to the committee and especially to the Chair, who embodied a tone of camaraderie, gratitude, and ease that encouraged experienced attendees to engage with and support newcomers in making connections.*
- *Great conference! Thank the organizers! You did a great job.*
- *None*
- *NA*

## PEARC23 Tutorial/Workshop Surveys

### A Guideline to Writing a Successful Proposal for ACCESS and Other National Compute Resources

Response rate: 7.3% (4/55)

Which of the following morning workshop or tutorial sessions did you attend?

	%	Count
Tutorial: A Guideline to Writing a Successful Proposal for ACCESS and Other National Compute Resources	100.0%	4
Total	100%	4

Please indicate the extent to which you agree with the following statements about the tutorial/workshop session.

	N/A	Strongly disagree (1)		Disagree (2)		Neither agree nor disagree (3)		Agree (4)		Strongly agree (5)		Mean	Std Dev	Total
My goals for attending this session were achieved.	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	100.0%	3	5.00	0.00	3
The session was well organized.	0	0.0%	0	0.0%	0	0.0%	0	33.3%	1	66.7%	2	4.67	0.47	3
The session description was accurate.	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	100.0%	3	5.00	0.00	3
The presenter(s) stimulated my interest.	0	0.0%	0	0.0%	0	0.0%	0	33.3%	1	66.7%	2	4.67	0.47	3
I have a better understanding of this topic as a result of this experience.	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	100.0%	3	5.00	0.00	3
I am confident that I can now incorporate this topic into my current or future work.	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	100.0%	3	5.00	0.00	3
The length of the session was appropriate.	0	0.0%	0	0.0%	0	0.0%	0	33.3%	1	66.7%	2	4.67	0.47	3
The content was presented clearly.	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	100.0%	3	5.00	0.00	3
The exercises / hands-on activities were adequate.	2	0.0%	0	0.0%	0	0.0%	0	0.0%	0	100.0%	1	5.00	0.00	1
I experienced little to no significant technological difficulties.	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	100.0%	3	5.00	0.00	3
I would recommend this tutorial / workshop to others.	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	100.0%	3	5.00	0.00	3
For the amount invested, I am happy with what I've gained.	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	100.0%	3	5.00	0.00	3
Overall, I would rate my tutorial / workshop experience as successful.	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	100.0%	3	5.00	0.00	3

Please share your thoughts or suggestions for improvement.

[None]

Please share any additional comments or suggestions you may have.

[None]

## ACES Tutorial for using Graphcore Intelligence Processing Units (IPUs) for AI/ML workflows

Response rate: 6.5% (3/46)

Which of the following morning workshop or tutorial sessions did you attend?

	%	Count
Tutorial: ACES Tutorial for using Graphcore Intelligence Processing Units (IPUs) for AI/ML workflows	100.0%	3
<b>Total</b>	<b>100%</b>	<b>3</b>

Please indicate the extent to which you agree with the following statements about the tutorial/workshop session.

	N/A	Strongly disagree (1)		Disagree (2)		Neither agree nor disagree (3)		Agree (4)		Strongly agree (5)		Mean	Std Dev	Total
My goals for attending this session were achieved.	0	0.0%	0	0.0%	0	0.0%	0	66.7%	2	33.3%	1	4.33	0.47	3
The session was well organized.	0	0.0%	0	0.0%	0	0.0%	0	66.7%	2	33.3%	1	4.33	0.47	3
The session description was accurate.	0	0.0%	0	0.0%	0	0.0%	0	33.3%	1	66.7%	2	4.67	0.47	3
The presenter(s) stimulated my interest.	0	0.0%	0	0.0%	0	0.0%	0	33.3%	1	66.7%	2	4.67	0.47	3
I have a better understanding of this topic as a result of this experience.	0	0.0%	0	0.0%	0	0.0%	0	33.3%	1	66.7%	2	4.67	0.47	3
I am confident that I can now incorporate this topic into my current or future work.	0	0.0%	0	0.0%	0	33.3%	1	33.3%	1	33.3%	1	4.00	0.82	3
The length of the session was appropriate.	0	0.0%	0	0.0%	0	0.0%	0	33.3%	1	66.7%	2	4.67	0.47	3
The content was presented clearly.	0	0.0%	0	0.0%	0	0.0%	0	33.3%	1	66.7%	2	4.67	0.47	3
The exercises / hands-on activities were adequate.	0	0.0%	0	0.0%	0	0.0%	0	66.7%	2	33.3%	1	4.33	0.47	3
I experienced little to no significant technological difficulties.	0	0.0%	0	0.0%	0	33.3%	1	33.3%	1	33.3%	1	4.00	0.82	3
I would recommend this tutorial/workshop to others.	0	0.0%	0	0.0%	0	0.0%	0	66.7%	2	33.3%	1	4.33	0.47	3
For the amount invested, I am happy with what I've gained.	0	0.0%	0	0.0%	0	0.0%	0	66.7%	2	33.3%	1	4.33	0.47	3
Overall, I would rate my tutorial / workshop experience as successful.	0	0.0%	0	0.0%	0	0.0%	0	33.3%	1	66.7%	2	4.67	0.47	3

Please share your thoughts or suggestions for improvement.

[None]

Please share any additional comments or suggestions you may have.

[None]



## An Introduction to Advanced Features in MPI

Response rate: 19.4% (7/36)

Which of the following morning workshop or tutorial sessions did you attend?

	%	Count
Tutorial: An Introduction to Advanced Features in MPI	100.0%	7
<b>Total</b>	<b>100%</b>	<b>7</b>

Please indicate the extent to which you agree with the following statements about the tutorial/workshop session.

	N/A	Strongly disagree (1)		Disagree (2)		Neither agree nor disagree (3)		Agree (4)		Strongly agree (5)		Mean	Std Dev	Total
My goals for attending this session were achieved.	0	14.3%	1	0.0%	0	28.6%	2	28.6%	2	28.6%	2	3.57	1.29	7
The session was well organized.	0	28.6%	2	0.0%	0	14.3%	1	14.3%	1	42.9%	3	3.43	1.68	7
The session description was accurate.	0	14.3%	1	0.0%	0	14.3%	1	14.3%	1	57.1%	4	4.00	1.41	7
The presenter(s) stimulated my interest.	0	28.6%	2	0.0%	0	14.3%	1	28.6%	2	28.6%	2	3.29	1.58	7
I have a better understanding of this topic as a result of this experience.	0	14.3%	1	14.3%	1	14.3%	1	28.6%	2	28.6%	2	3.43	1.40	7
I am confident that I can now incorporate this topic into my current or future work.	0	14.3%	1	0.0%	0	28.6%	2	42.9%	3	14.3%	1	3.43	1.18	7
The length of the session was appropriate.	0	14.3%	1	0.0%	0	14.3%	1	42.9%	3	28.6%	2	3.71	1.28	7
The content was presented clearly.	0	28.6%	2	0.0%	0	14.3%	1	14.3%	1	42.9%	3	3.43	1.68	7
The exercises / hands-on activities were adequate.	0	16.7%	1	0.0%	0	16.7%	1	16.7%	1	50.0%	3	3.83	1.46	6
I experienced little to no significant technological difficulties.	0	16.7%	1	0.0%	0	16.7%	1	33.3%	2	33.3%	2	3.67	1.37	6
I would recommend this tutorial/workshop to others.	0	28.6%	2	0.0%	0	14.3%	1	28.6%	2	28.6%	2	3.29	1.58	7
For the amount invested, I am happy with what I've gained.	0	16.7%	1	0.0%	0	16.7%	1	33.3%	2	33.3%	2	3.67	1.37	6
Overall, I would rate my tutorial / workshop experience as successful.	0	14.3%	1	14.3%	1	14.3%	1	14.3%	1	42.9%	3	3.57	1.50	7

Please share your thoughts or suggestions for improvement.

[None]

Please share any additional comments or suggestions you may have.

[None]

## Best Practices of CI/CD for High Performance Computation with Tapis Workflows API

Response rate: 19.6% (10/51)

Which of the following full day or afternoon workshop or tutorial sessions did you attend?

	%	Count
Tutorial: Best Practices of CI/CD for High Performance Computation with Tapis Workflows API	100.0%	10
<b>Total</b>	<b>100%</b>	<b>10</b>

Please indicate the extent to which you agree with the following statements about the tutorial/workshop session.

	N/A	Strongly disagree (1)		Disagree (2)		Neither agree nor disagree (3)		Agree (4)		Strongly agree (5)		Mean	Std Dev	Total
My goals for attending this session were achieved.	0	0.0%	0	10.0%	1	0.0%	0	60.0%	6	30.0%	3	4.10	0.83	10
The session was well organized.	0	0.0%	0	0.0%	0	0.0%	0	60.0%	6	40.0%	4	4.40	0.49	10
The session description was accurate.	0	0.0%	0	0.0%	0	0.0%	0	50.0%	5	50.0%	5	4.50	0.50	10
The presenter(s) stimulated my interest.	0	0.0%	0	0.0%	0	10.0%	1	40.0%	4	50.0%	5	4.40	0.66	10
I have a better understanding of this topic as a result of this experience.	0	0.0%	0	0.0%	0	10.0%	1	40.0%	4	50.0%	5	4.40	0.66	10
I am confident that I can now incorporate this topic into my current or future work.	0	10.0%	1	0.0%	0	30.0%	3	30.0%	3	30.0%	3	3.70	1.19	10
The length of the session was appropriate.	0	0.0%	0	10.0%	1	10.0%	1	30.0%	3	50.0%	5	4.20	0.98	10
The content was presented clearly.	0	0.0%	0	0.0%	0	0.0%	0	50.0%	5	50.0%	5	4.50	0.50	10
The exercises / hands-on activities were adequate.	0	10.0%	1	0.0%	0	0.0%	0	50.0%	5	40.0%	4	4.10	1.14	10
I experienced little to no significant technological difficulties.	0	0.0%	0	0.0%	0	0.0%	0	40.0%	4	60.0%	6	4.60	0.49	10
I would recommend this tutorial / workshop to others.	0	0.0%	0	10.0%	1	10.0%	1	30.0%	3	50.0%	5	4.20	0.98	10
For the amount invested, I am happy with what I've gained.	0	0.0%	0	10.0%	1	0.0%	0	40.0%	4	50.0%	5	4.30	0.90	10
Overall, I would rate my tutorial/workshop experience as successful.	0	0.0%	0	10.0%	1	0.0%	0	40.0%	4	50.0%	5	4.30	0.90	10

Please share your thoughts or suggestions for improvement.

- *This session got me to "Tapis looks interesting" and able to see something if what the interface is like, but the fact is that a Jupyter interface to go through a bunch of steps and see something is not compelling. The learning was "can you clock run in Jupyter". This is partly from Tapis's immaturity but more just badly thought out learning objectives and motivating material. The tutorial should have shown how an actual workflow accomplished something.*
- *The example was a bit simple and the instructions were "use these settings" and didn't get into what those settings mean. I don't really understand what I actually did in the example.*

Please share any additional comments or suggestions you may have.

- *I have made great connections with TACC scientists to share our information and build possible future collaborations. Great workshops!*

## Campus Champions: Sustaining the Community in the ACCESS Era

Response rate: 18.7% (14/75)

Which of the following morning workshop or tutorial sessions did you attend?

	%	Count
Workshop: Campus Champions: Sustaining the Community in the ACCESS Era	100.0%	14
<b>Total</b>	<b>100%</b>	<b>14</b>

Please indicate the extent to which you agree with the following statements about the tutorial/workshop session.

	N/A	Strongly disagree (1)		Disagree (2)		Neither agree nor disagree (3)		Agree (4)		Strongly agree (5)		Mean	Std Dev	Total
My goals for attending this session were achieved.	0	0.0%	0	0.0%	0	7.7%	1	30.8%	4	61.5%	8	4.54	0.63	13
The session was well organized.	0	0.0%	0	0.0%	0	0.0%	0	23.1%	3	76.9%	10	4.77	0.42	13
The session description was accurate.	0	0.0%	0	0.0%	0	0.0%	0	30.8%	4	69.2%	9	4.69	0.46	13
The presenter(s) stimulated my interest.	0	0.0%	0	0.0%	0	7.7%	1	30.8%	4	61.5%	8	4.54	0.63	13
I have a better understanding of this topic as a result of this experience.	0	0.0%	0	0.0%	0	15.4%	2	23.1%	3	61.5%	8	4.46	0.75	13
I am confident that I can now incorporate this topic into my current or future work.	0	0.0%	0	0.0%	0	15.4%	2	38.5%	5	46.2%	6	4.31	0.72	13
The length of the session was appropriate.	0	0.0%	0	0.0%	0	7.7%	1	23.1%	3	69.2%	9	4.62	0.62	13
The content was presented clearly.	0	0.0%	0	0.0%	0	0.0%	0	38.5%	5	61.5%	8	4.62	0.49	13
The exercises / hands-on activities were adequate.	10	0.0%	0	0.0%	0	0.0%	0	33.3%	1	66.7%	2	4.67	0.47	3
I experienced little to no significant technological difficulties.	4	0.0%	0	0.0%	0	11.1%	1	11.1%	1	77.8%	7	4.67	0.67	9
I would recommend this tutorial/workshop to others.	0	0.0%	0	0.0%	0	0.0%	0	46.2%	6	53.8%	7	4.54	0.50	13
For the amount invested, I am happy with what I've gained.	0	0.0%	0	0.0%	0	0.0%	0	30.8%	4	69.2%	9	4.69	0.46	13
Overall, I would rate my tutorial / workshop experience as successful.	0	0.0%	0	0.0%	0	0.0%	0	38.5%	5	61.5%	8	4.62	0.49	13

Please share your thoughts or suggestions for improvement.

- *I would like it if the presenters would make the side deck available. One of the sessions I went to, the presenter had a link to a PDF of the slide available before the session started. This was the best, I loved it. I could follow along on my laptop without having to look over top of peoples heads, copy text I wanted, etc.*
- *Presenters did a wonderful job of providing an overview of the national resource landscape and ended with a very engaged discussion amongst the attendees*
- *Nothing to say*

Please share any additional comments or suggestions you may have.

[None]

## CASC Cyberinfrastructure Leadership Academy 2023

Response rate: 67.3% (37/55)

Which of the following morning workshop or tutorial sessions did you attend?

	%	Count
Workshop: CASC Cyberinfrastructure Leadership Academy 2023	100.0%	37
<b>Total</b>	<b>100%</b>	<b>37</b>

Please indicate the extent to which you agree with the following statements about the tutorial/workshop.

	N/A	Strongly disagree (1)		Disagree (2)		Neither agree nor disagree (3)		Agree (4)		Strongly agree (5)		Mean	Std Dev	Total
My goals for attending this session were achieved.	0	0.0%	0	2.8%	1	11.1%	4	33.3%	12	52.8%	19	4.36	0.79	36
The session was well organized.	0	0.0%	0	0.0%	0	2.8%	1	33.3%	12	63.9%	23	4.61	0.54	36
The session description was accurate.	0	0.0%	0	2.8%	1	5.6%	2	30.6%	11	61.1%	22	4.50	0.73	36
The presenter(s) stimulated my interest.	0	0.0%	0	0.0%	0	5.6%	2	27.8%	10	66.7%	24	4.61	0.59	36
I have a better understanding of this topic as a result of this experience.	0	0.0%	0	5.6%	2	8.3%	3	30.6%	11	55.6%	20	4.36	0.85	36
I am confident that I can now incorporate this topic into my current or future work.	1	0.0%	0	0.0%	0	8.6%	3	34.3%	12	57.1%	20	4.49	0.65	35
The length of the session was appropriate.	0	0.0%	0	8.3%	3	5.6%	2	36.1%	13	50.0%	18	4.28	0.90	36
The content was presented clearly.	1	0.0%	0	0.0%	0	5.7%	2	34.3%	12	60.0%	21	4.54	0.60	35
The exercises / hands-on activities were adequate.	12	0.0%	0	0.0%	0	20.8%	5	37.5%	9	41.7%	10	4.21	0.76	24
I experienced little to no significant technological difficulties.	8	0.0%	0	0.0%	0	0.0%	0	33.3%	9	66.7%	18	4.67	0.47	27
I would recommend this tutorial/workshop to others.	1	0.0%	0	0.0%	0	11.4%	4	17.1%	6	71.4%	25	4.60	0.68	35
For the amount invested, I am happy with what I've gained.	0	0.0%	0	0.0%	0	5.6%	2	36.1%	13	58.3%	21	4.53	0.60	36
Overall, I would rate my tutorial / workshop experience as successful.	1	0.0%	0	0.0%	0	5.7%	2	25.7%	9	68.6%	24	4.63	0.59	35

Please share your thoughts or suggestions for improvement.

- *This was a good session. I am glad to see more leadership focused sessions and wish to see more in the future.*
- *I would be helpful to have an exercise at the beginning to get people to know one another, establish trust. This will make it easier to encourage participation in the group discussion, especially those who are new to the community.*
- *Excellent representation of our community, the issues we encounter collectively, and how we can work together to overcome those issues.*
- *Missing concrete Artifacts from the workshop.*
- *I would consider myself as aspiring to be a CI Leader. I felt this session was not as useful to me. It was more about leadership peers learning from each other. It was not about how to get into leadership. I would like to point out that emerging leaders don't often have access to CASC and this will need to be opened up to them.*
- *as an aspiring leader, I would appreciate similar session geared towards executive leadership, budgeting, art of negotiations*
- *This needs to be a full day workshop at the very least.*
- *Would be good to encourage rising leaders as well as acting as a therapy session for those already in leadership positions.*
- *I would love to attend a larger workshop on this topic. Thank you so much for hosting this.*

Please share any additional comments or suggestions you may have.

- *I agree with one of the attendees, we need the session split into leaders and aspiring leaders*
- *Nicely done.*
- *Really nice inclusive tone to the whole session*
- *Loved it! hneeman 4ever!*
- *A full day workshop would be useful*
- *Rock and roll*
- *Thank you all for the well-orchestrated session!*



## ColdFront, Open OnDemand, and Open XDMoD: An HPC Center Management Toolset

Response rate: 19.2% (15/78)

Which of the following full day or afternoon workshop or tutorial sessions did you attend?

	%	Count
Tutorial: ColdFront, Open OnDemand, and Open XDMoD: An HPC Center Management Toolset	100.0%	15
Total	100%	15

Please indicate the extent to which you agree with the following statements about the tutorial/workshop session.

	N/A	Strongly disagree (1)		Disagree (2)		Neither agree nor disagree (3)		Agree (4)		Strongly agree (5)		Mean	Std Dev	Total
My goals for attending this session were achieved.	0	6.7%	1	6.7%	1	6.7%	1	53.3%	8	26.7%	4	3.87	1.09	15
The session was well organized.	0	0.0%	0	6.7%	1	26.7%	4	40.0%	6	26.7%	4	3.87	0.88	15
The session description was accurate.	0	0.0%	0	0.0%	0	0.0%	0	80.0%	12	20.0%	3	4.20	0.40	15
The presenter(s) stimulated my interest.	0	0.0%	0	13.3%	2	13.3%	2	46.7%	7	26.7%	4	3.87	0.96	15
I have a better understanding of this topic as a result of this experience.	1	7.1%	1	0.0%	0	7.1%	1	50.0%	7	35.7%	5	4.07	1.03	14
I am confident that I can now incorporate this topic into my current or future work.	1	7.1%	1	0.0%	0	21.4%	3	42.9%	6	28.6%	4	3.86	1.06	14
The length of the session was appropriate.	0	0.0%	0	0.0%	0	20.0%	3	66.7%	10	13.3%	2	3.93	0.57	15
The content was presented clearly.	0	0.0%	0	28.6%	4	7.1%	1	50.0%	7	14.3%	2	3.50	1.05	14
The exercises / hands-on activities were adequate.	0	0.0%	0	6.7%	1	53.3%	8	13.3%	2	26.7%	4	3.60	0.95	15
I experienced little to no significant technological difficulties.	0	6.7%	1	20.0%	3	20.0%	3	46.7%	7	6.7%	1	3.27	1.06	15
I would recommend this tutorial / workshop to others.	1	7.1%	1	7.1%	1	0.0%	0	50.0%	7	35.7%	5	4.00	1.13	14
For the amount invested, I am happy with what I've gained.	1	14.3%	2	0.0%	0	21.4%	3	21.4%	3	42.9%	6	3.79	1.37	14
Overall, I would rate my tutorial/workshop experience as successful.	1	14.3%	2	0.0%	0	14.3%	2	21.4%	3	50.0%	7	3.93	1.39	14

Please share your thoughts or suggestions for improvement.

- *WiFi could be better, and more power plugs would be very helpful during tutorial/workshop.*
- *I was happy that the workshop organizers presented the material from the perspectives of the PI, systems administrator, and director. This approach is effective in laying out what each of the roles have access to. The installation parts are documented in the material and can be done as a prerequisite or later back home after the conference. There were some technical hiccups for the Open OnDemand session, which would have shown up had the presenters test drive the workshop material a few days before the conference. Overall, the presenters were able to troubleshoot and fix the problem in real time, so got a glimpse of real-world problems that might come up during the deployment.*
- *I would just suggest the speakers slow down the step-by-step portions. It moved too quickly and left no flexibility for new users and/or technical issues.*
- *The morning presentation on ColdFront was wonderfully organized. I loved that the presenter explained real-world problems that ColdFront was designed to solve through their own experience and stories. These resonated with me because our university has very similar problems and I now know exactly which ColdFront features/configuration are designed to help. The walkthrough of the request and approval process from a faculty, center director, and system administrator perspective was very helpful – I will need to understand all sides in order to implement this successfully. The Open OnDemand portion went a bit less smoothly – it seems like perhaps some untested changes were made to the containers right before the conference. The presenters were able to figure it out and get started again, but this did cost valuable time that we could have spent covering development. I was disappointed that we did not get to cover the Passenger apps portion, but love that I can go back and try it myself later since all of the instructions are available online. The XDMoD portion of the session was also very useful for us. One of my colleagues, who configures XDMoD for our cluster, found a possible solution to a problem we have had for a while. It was great to see the full feature set and integrations that are available. We are definitely going to look into the OpenOD plugin because our users visit OpenOD frequently and those widgets would be highly visible. Overall, I loved the session and I am very happy that I signed up. The collection of containers provided a wonderful way to get hands-on experience with all of this software. I will definitely be using this to experiment further with the tools on my own. Thank you to all of the presenters and contributors for your hard work!*
- *I attended this tutorial because I expected it to cover the integration of XDMoD, OOD, and Coldfront. Instead it was a gloss over of the front end interfaces and did not get into any technical detail.*
- *I was here as an observer not an active participant.. I met my goals. I met others that have the same interests and I was able to catch up with the OOD team. The presenters were friendly and approachable. I'm glad I went*
- *Unfortunately I had many unrelated disruptions and couldn't participate as much as I planned. The workshop was well organized and I am sure useful for those who were fully engaged. Thanks*
- *PEARC needs to supply a better wireless experience. It was bad last year in Boston and was not improved this year. The tutorial session was more of a demonstration rather than an actual tutorial. The docker instance needs to be more portable.*

Please share any additional comments or suggestions you may have.

- *This is one that would have probably been better remote. People working on laptops in one room could have worked better on Zoom or Teams*
- *Room was cold! Not enough power outlets*

## ConvoHPC: First International Workshop on Conversational AI Interfaces for HPC

Response rate: 19.6% (11/45)

Which of the following full day or afternoon workshop or tutorial sessions did you attend?

	%	Count
Workshop: ConvoHPC: First International Workshop on Conversational AI Interfaces for HPC	100.0%	11
Total	100%	11

Please indicate the extent to which you agree with the following statements about the tutorial/workshop session.

	N/A	Strongly disagree (1)		Disagree (2)		Neither agree nor disagree (3)		Agree (4)		Strongly agree (5)		Mean	Std Dev	Total
My goals for attending this session were achieved.	0	0.0%	0	11.1%	1	11.1%	1	44.4%	4	33.3%	3	4.00	0.94	9
The session was well organized.	0	0.0%	0	0.0%	0	0.0%	0	55.6%	5	44.4%	4	4.44	0.50	9
The session description was accurate.	0	11.1%	1	0.0%	0	0.0%	0	55.6%	5	33.3%	3	4.00	1.15	9
The presenter(s) stimulated my interest.	0	0.0%	0	0.0%	0	0.0%	0	44.4%	4	55.6%	5	4.56	0.50	9
I have a better understanding of this topic as a result of this experience.	0	0.0%	0	11.1%	1	0.0%	0	55.6%	5	33.3%	3	4.11	0.87	9
I am confident that I can now incorporate this topic into my current or future work.	1	0.0%	0	12.5%	1	25.0%	2	37.5%	3	25.0%	2	3.75	0.97	8
The length of the session was appropriate.	0	0.0%	0	11.1%	1	0.0%	0	44.4%	4	44.4%	4	4.22	0.92	9
The content was presented clearly.	0	0.0%	0	0.0%	0	0.0%	0	37.5%	3	62.5%	5	4.63	0.48	8
The exercises / hands-on activities were adequate.	3	0.0%	0	16.7%	1	33.3%	2	0.0%	0	50.0%	3	3.83	1.21	6
I experienced little to no significant technological difficulties.	2	14.3%	1	0.0%	0	0.0%	0	14.3%	1	71.4%	5	4.29	1.39	7
I would recommend this tutorial / workshop to others.	0	11.1%	1	0.0%	0	0.0%	0	55.6%	5	33.3%	3	4.00	1.15	9
For the amount invested, I am happy with what I've gained.	0	0.0%	0	0.0%	0	22.2%	2	33.3%	3	44.4%	4	4.22	0.79	9
Overall, I would rate my tutorial/workshop experience as successful.	0	0.0%	0	0.0%	0	22.2%	2	33.3%	3	44.4%	4	4.22	0.79	9

Please share your thoughts or suggestions for improvement.

- *The edge AI talk has little to do with whatever this workshop is about. Why is it included at all??*

Please share any additional comments or suggestions you may have.

[None]

## Engineering your Application for Peak Performance with TAU and MVAPICH2

Response rate: 10.3% (3/29)

Which of the following morning workshop or tutorial sessions did you attend?

	%	Count
Tutorial: Engineering your Application for Peak Performance with TAU and MVAPICH2	100.0%	3
<b>Total</b>	<b>100%</b>	<b>3</b>

Please indicate the extent to which you agree with the following statements about the tutorial/workshop session.

	N/A	Strongly disagree (1)	Disagree (2)	Neither agree nor disagree (3)	Agree (4)	Strongly agree (5)	Mean	Std Dev	Total					
My goals for attending this session were achieved.	0	0.0%	0	0.0%	0	0.0%	0	33.3%	1	66.7%	2	4.67	0.47	3
The session was well organized.	0	0.0%	0	0.0%	0	0.0%	0	33.3%	1	66.7%	2	4.67	0.47	3
The session description was accurate.	0	0.0%	0	0.0%	0	0.0%	0	33.3%	1	66.7%	2	4.67	0.47	3
The presenter(s) stimulated my interest.	0	0.0%	0	0.0%	0	0.0%	0	33.3%	1	66.7%	2	4.67	0.47	3
I have a better understanding of this topic as a result of this experience.	0	0.0%	0	0.0%	0	0.0%	0	33.3%	1	66.7%	2	4.67	0.47	3
I am confident that I can now incorporate this topic into my current or future work.	0	0.0%	0	0.0%	0	0.0%	0	33.3%	1	66.7%	2	4.67	0.47	3
The length of the session was appropriate.	0	0.0%	0	0.0%	0	0.0%	0	33.3%	1	66.7%	2	4.67	0.47	3
The content was presented clearly.	0	0.0%	0	0.0%	0	0.0%	0	33.3%	1	66.7%	2	4.67	0.47	3
The exercises / hands-on activities were adequate.	0	0.0%	0	0.0%	0	0.0%	0	66.7%	2	33.3%	1	4.33	0.47	3
I experienced little to no significant technological difficulties.	0	0.0%	0	0.0%	0	0.0%	0	66.7%	2	33.3%	1	4.33	0.47	3
I would recommend this tutorial/workshop to others.	0	0.0%	0	0.0%	0	0.0%	0	33.3%	1	66.7%	2	4.67	0.47	3
For the amount invested, I am happy with what I've gained.	0	0.0%	0	0.0%	0	0.0%	0	33.3%	1	66.7%	2	4.67	0.47	3
Overall, I would rate my tutorial / workshop experience as successful.	0	0.0%	0	0.0%	0	0.0%	0	33.3%	1	66.7%	2	4.67	0.47	3

Please share your thoughts or suggestions for improvement.

[None]

Please share any additional comments or suggestions you may have.

[None]

## GPU Workloads on the Anvil Composable Platform

Response rate: 13.8% (4/29)

Which of the following full day or afternoon workshop or tutorial sessions did you attend?

	%	Count
Tutorial: GPU Workloads on the Anvil Composable Platform	100.0%	4
<b>Total</b>	<b>100%</b>	<b>4</b>

Please indicate the extent to which you agree with the following statements about the tutorial/workshop session.

	N/A	Strongly disagree (1)	Disagree (2)	Neither agree nor disagree (3)	Agree (4)	Strongly agree (5)	Mean	Std Dev	Total					
My goals for attending this session were achieved.	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	100.0%	4	5.00	0.00	4
The session was well organized.	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	100.0%	4	5.00	0.00	4
The session description was accurate.	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	100.0%	4	5.00	0.00	4
The presenter(s) stimulated my interest.	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	100.0%	4	5.00	0.00	4
I have a better understanding of this topic as a result of this experience.	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	100.0%	4	5.00	0.00	4
I am confident that I can now incorporate this topic into my current or future work.	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	100.0%	4	5.00	0.00	4
The length of the session was appropriate.	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	100.0%	4	5.00	0.00	4
The content was presented clearly.	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	100.0%	4	5.00	0.00	4
The exercises / hands-on activities were adequate.	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	100.0%	4	5.00	0.00	4
I experienced little to no significant technological difficulties.	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	100.0%	4	5.00	0.00	4
I would recommend this tutorial / workshop to others.	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	100.0%	4	5.00	0.00	4
For the amount invested, I am happy with what I've gained.	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	100.0%	4	5.00	0.00	4
Overall, I would rate my tutorial/workshop experience as successful.	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	100.0%	4	5.00	0.00	4



Please share your thoughts or suggestions for improvement.

- *Well Done!*

Please share any additional comments or suggestions you may have.

[None]

## How To ACCESS: An Overview

Response rate: 7.8% (7/90)

Which of the following full day or afternoon workshop or tutorial sessions did you attend?

	%	Count
Workshop: How To ACCESS: An Overview	100.0%	7
Total	100%	7

Please indicate the extent to which you agree with the following statements about the tutorial/workshop session.

	N/A	Strongly disagree (1)		Disagree (2)		Neither agree nor disagree (3)		Agree (4)		Strongly agree (5)		Mean	Std Dev	Total
My goals for attending this session were achieved.	0	0.0%	0	0.0%	0	14.3%	1	57.1%	4	28.6%	2	4.14	0.64	7
The session was well organized.	0	0.0%	0	0.0%	0	0.0%	0	85.7%	6	14.3%	1	4.14	0.35	7
The session description was accurate.	0	0.0%	0	0.0%	0	0.0%	0	71.4%	5	28.6%	2	4.29	0.45	7
The presenter(s) stimulated my interest.	0	0.0%	0	0.0%	0	28.6%	2	42.9%	3	28.6%	2	4.00	0.76	7
I have a better understanding of this topic as a result of this experience.	0	0.0%	0	0.0%	0	14.3%	1	57.1%	4	28.6%	2	4.14	0.64	7
I am confident that I can now incorporate this topic into my current or future work.	0	0.0%	0	0.0%	0	0.0%	0	85.7%	6	14.3%	1	4.14	0.35	7
The length of the session was appropriate.	1	0.0%	0	33.3%	2	16.7%	1	33.3%	2	16.7%	1	3.33	1.11	6
The content was presented clearly.	0	0.0%	0	0.0%	0	14.3%	1	71.4%	5	14.3%	1	4.00	0.53	7
The exercises / hands-on activities were adequate.	3	0.0%	0	0.0%	0	25.0%	1	75.0%	3	0.0%	0	3.75	0.43	4
I experienced little to no significant technological difficulties.	1	0.0%	0	0.0%	0	33.3%	2	16.7%	1	50.0%	3	4.17	0.90	6
I would recommend this tutorial / workshop to others.	0	0.0%	0	0.0%	0	28.6%	2	57.1%	4	14.3%	1	3.86	0.64	7
For the amount invested, I am happy with what I've gained.	0	0.0%	0	0.0%	0	28.6%	2	42.9%	3	28.6%	2	4.00	0.76	7
Overall, I would rate my tutorial/workshop experience as successful.	0	0.0%	0	0.0%	0	14.3%	1	71.4%	5	14.3%	1	4.00	0.53	7

Please share your thoughts or suggestions for improvement.

- *In the beginning when people needed to create an account or activate an XSEDE account, we could have used some "TA"s in the room to help with those who were having problems. Otherwise it went smoothly.*
- *Could have been more efficient, including hands-on, if real-time learner feedback on pace/catch-up were used, and perhaps designated helpers on their feet. Probable didn't need as much detail about how ACCESS backend programs/people and processes are organized.*
- *Could probably cover the same content in a smaller chunk of time.*
- *This was a well organized, informative, and extremely helpful tutorial. I'm actually hoping the presenters can provide a series at the Campus Champions biweekly meetings so that more CC can benefit.*

Please share any additional comments or suggestions you may have.

- *N/A*
- *Great presentation!*

## HPC/AI clusters - Effective GPU sharing (Run.ai) and the NVIDIA DGX SuperPOD for Academia

Response rate: 11.1% (5/45)

Which of the following full day or afternoon workshop or tutorial sessions did you attend?

	%	Count
Workshop: HPC/AI clusters - Effective GPU sharing (Run.ai) and the NVIDIA DGX SuperPOD for Academia	100.0%	5
Total	100%	5

Please indicate the extent to which you agree with the following statements about the tutorial/workshop session.

	N/A	Strongly disagree (1)		Disagree (2)		Neither agree nor disagree (3)		Agree (4)		Strongly agree (5)		Mean	Std Dev	Total
My goals for attending this session were achieved.	0	0.0%	0	0.0%	0	0.0%	0	50.0%	2	50.0%	2	4.50	0.50	4
The session was well organized.	0	0.0%	0	0.0%	0	0.0%	0	25.0%	1	75.0%	3	4.75	0.43	4
The session description was accurate.	0	0.0%	0	0.0%	0	0.0%	0	25.0%	1	75.0%	3	4.75	0.43	4
The presenter(s) stimulated my interest.	0	0.0%	0	0.0%	0	0.0%	0	50.0%	2	50.0%	2	4.50	0.50	4
I have a better understanding of this topic as a result of this experience.	0	0.0%	0	0.0%	0	0.0%	0	25.0%	1	75.0%	3	4.75	0.43	4
I am confident that I can now incorporate this topic into my current or future work.	0	0.0%	0	0.0%	0	0.0%	0	50.0%	2	50.0%	2	4.50	0.50	4
The length of the session was appropriate.	0	0.0%	0	0.0%	0	0.0%	0	75.0%	3	25.0%	1	4.25	0.43	4
The content was presented clearly.	0	0.0%	0	0.0%	0	0.0%	0	50.0%	2	50.0%	2	4.50	0.50	4
The exercises / hands-on activities were adequate.	2	0.0%	0	0.0%	0	50.0%	1	50.0%	1	0.0%	0	3.50	0.50	2
I experienced little to no significant technological difficulties.	0	0.0%	0	0.0%	0	0.0%	0	25.0%	1	75.0%	3	4.75	0.43	4
I would recommend this tutorial / workshop to others.	0	0.0%	0	0.0%	0	0.0%	0	50.0%	2	50.0%	2	4.50	0.50	4
For the amount invested, I am happy with what I've gained.	0	0.0%	0	0.0%	0	0.0%	0	50.0%	2	50.0%	2	4.50	0.50	4
Overall, I would rate my tutorial/workshop experience as successful.	0	0.0%	0	0.0%	0	0.0%	0	50.0%	2	50.0%	2	4.50	0.50	4

Please share your thoughts or suggestions for improvement.

- *I attended with a specific desire to learn more about the run:ai platform and its capabilities, which it delivered. Outside of that, the other presentations were well done, and especially if someone attends with limited knowledge, would be extremely informative.*

Please share any additional comments or suggestions you may have.

[None]

## Intelligible, Powerful Tools for Supercomputer Users

Response rate: 7.8% (4/51)

Which of the following morning workshop or tutorial sessions did you attend?

	%	Count
Tutorial: Intelligible, Powerful Tools for Supercomputer Users	100.0%	4
<b>Total</b>	<b>100%</b>	<b>4</b>

Please indicate the extent to which you agree with the following statements about the tutorial/workshop session.

	N/A	Strongly disagree (1)		Disagree (2)		Neither agree nor disagree (3)		Agree (4)		Strongly agree (5)		Mean	Std Dev	Total
My goals for attending this session were achieved.	0	0.0%	0	0.0%	0	0.0%	0	25.0%	1	75.0%	3	4.75	0.43	4
The session was well organized.	0	0.0%	0	0.0%	0	0.0%	0	50.0%	2	50.0%	2	4.50	0.50	4
The session description was accurate.	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	100.0%	4	5.00	0.00	4
The presenter(s) stimulated my interest.	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	100.0%	4	5.00	0.00	4
I have a better understanding of this topic as a result of this experience.	0	0.0%	0	0.0%	0	0.0%	0	25.0%	1	75.0%	3	4.75	0.43	4
I am confident that I can now incorporate this topic into my current or future work.	0	0.0%	0	0.0%	0	0.0%	0	50.0%	2	50.0%	2	4.50	0.50	4
The length of the session was appropriate.	0	0.0%	0	0.0%	0	0.0%	0	50.0%	2	50.0%	2	4.50	0.50	4
The content was presented clearly.	0	0.0%	0	0.0%	0	0.0%	0	50.0%	2	50.0%	2	4.50	0.50	4
The exercises / hands-on activities were adequate.	0	0.0%	0	0.0%	0	25.0%	1	25.0%	1	50.0%	2	4.25	0.83	4
I experienced little to no significant technological difficulties.	0	0.0%	0	25.0%	1	0.0%	0	50.0%	2	25.0%	1	3.75	1.09	4
I would recommend this tutorial/workshop to others.	0	0.0%	0	0.0%	0	0.0%	0	50.0%	2	50.0%	2	4.50	0.50	4
For the amount invested, I am happy with what I've gained.	0	0.0%	0	0.0%	0	0.0%	0	25.0%	1	75.0%	3	4.75	0.43	4

	N/A	Strongly disagree (1)		Disagree (2)		Neither agree nor disagree (3)		Agree (4)		Strongly agree (5)		Mean	Std Dev	Total
Overall, I would rate my tutorial / workshop experience as successful.	0	0.0%	0	0.0%	0	0.0%	0	50.0%	2	50.0%	2	4.50	0.50	4

Please share your thoughts or suggestions for improvement.

- *Some of the presentations had technical difficulties. Pacing could have been better. Some segments ran long.*
- *This was a very helpful session. They just was not enough time to fully process all the information shared and practice on labs. I wish this was a full day or two.*

Please share any additional comments or suggestions you may have.

[None]

## Introduction to CI usage and performance data analysis with XDMoD and the new Analytics Framework

Response rate: 13.8% (4/29)

Which of the following morning workshop or tutorial sessions did you attend?

	%	Count
Introduction to CI usage and performance data analysis with XDMoD and the new Analytics Framework	100.0%	4
Total	100%	4

Please indicate the extent to which you agree with the following statements about the tutorial/workshop session.

	N/A	Strongly disagree (1)		Disagree (2)		Neither agree nor disagree (3)		Agree (4)		Strongly agree (5)		Mean	Std Dev	Total
My goals for attending this session were achieved.	0	0.0%	0	0.0%	0	25.0%	1	0.0%	0	75.0%	3	4.50	0.87	4
The session was well organized.	0	0.0%	0	0.0%	0	25.0%	1	25.0%	1	50.0%	2	4.25	0.83	4
The session description was accurate.	0	0.0%	0	0.0%	0	25.0%	1	25.0%	1	50.0%	2	4.25	0.83	4
The presenter(s) stimulated my interest.	0	0.0%	0	25.0%	1	0.0%	0	50.0%	2	25.0%	1	3.75	1.09	4
I have a better understanding of this topic as a result of this experience.	0	0.0%	0	0.0%	0	0.0%	0	50.0%	2	50.0%	2	4.50	0.50	4
I am confident that I can now incorporate this topic into my current or future work.	0	0.0%	0	0.0%	0	25.0%	1	25.0%	1	50.0%	2	4.25	0.83	4
The length of the session was appropriate.	0	0.0%	0	25.0%	1	0.0%	0	25.0%	1	50.0%	2	4.00	1.22	4
The content was presented clearly.	0	0.0%	0	0.0%	0	25.0%	1	25.0%	1	50.0%	2	4.25	0.83	4
The exercises / hands-on activities were adequate.	0	0.0%	0	25.0%	1	0.0%	0	25.0%	1	50.0%	2	4.00	1.22	4
I experienced little to no significant technological difficulties.	0	0.0%	0	0.0%	0	0.0%	0	25.0%	1	75.0%	3	4.75	0.43	4
I would recommend this tutorial/workshop to others.	0	0.0%	0	0.0%	0	25.0%	1	25.0%	1	50.0%	2	4.25	0.83	4
For the amount invested, I am happy with what I've gained.	0	0.0%	0	25.0%	1	0.0%	0	25.0%	1	50.0%	2	4.00	1.22	4
Overall, I would rate my tutorial / workshop experience as successful.	0	0.0%	0	0.0%	0	0.0%	0	50.0%	2	50.0%	2	4.50	0.50	4



Please share your thoughts or suggestions for improvement.

- *the tutorial went a bit slow for me with instructors spending too much time on basic stuff like how to run jupyter notebooks and how to setup api key but did not go into the interesting bits on how to install xdm on a different cluster and more juicy topics. I think the notebooks are valuable and can be expanded on to show cooler parts of xdm instead*
- *Exercises and Jupyter notebook examples made it really easy to follow along.*

Please share any additional comments or suggestions you may have.

- *I have a suggestion on making a slack channel for each tutorial and overall pearc slack channel to connect with folks and encourage outings as well as providing breakfast each day. The conference fee is high enough to afford food / coffee being refilled. That's pretty miserable not to get coffee or food, having to be somewhere at 8 am :(*

## Managing HPC Software Complexity with Spack

Response rate: 15.3% (13/85)

Which of the following full day or afternoon workshop or tutorial sessions did you attend?

	%	Count
Tutorial: Managing HPC Software Complexity with Spack	100.0%	13
<b>Total</b>	<b>100%</b>	<b>13</b>

Please indicate the extent to which you agree with the following statements about the tutorial/workshop session.

	N/A	Strongly disagree (1)	Disagree (2)	Neither agree nor disagree (3)	Agree (4)	Strongly agree (5)	Mean	Std Dev	Total					
My goals for attending this session were achieved.	0	0.0%	0	8.3%	1	8.3%	1	66.7%	8	16.7%	2	3.92	0.76	12
The session was well organized.	0	0.0%	0	0.0%	0	0.0%	0	50.0%	6	50.0%	6	4.50	0.50	12
The session description was accurate.	0	0.0%	0	0.0%	0	0.0%	0	41.7%	5	58.3%	7	4.58	0.49	12
The presenter(s) stimulated my interest.	0	0.0%	0	0.0%	0	0.0%	0	50.0%	6	50.0%	6	4.50	0.50	12
I have a better understanding of this topic as a result of this experience.	0	0.0%	0	0.0%	0	8.3%	1	33.3%	4	58.3%	7	4.50	0.65	12
I am confident that I can now incorporate this topic into my current or future work.	0	0.0%	0	0.0%	0	8.3%	1	58.3%	7	33.3%	4	4.25	0.60	12
The length of the session was appropriate.	0	0.0%	0	0.0%	0	16.7%	2	66.7%	8	16.7%	2	4.00	0.58	12
The content was presented clearly.	0	0.0%	0	0.0%	0	16.7%	2	50.0%	6	33.3%	4	4.17	0.69	12
The exercises / hands-on activities were adequate.	0	0.0%	0	8.3%	1	0.0%	0	66.7%	8	25.0%	3	4.08	0.76	12
I experienced little to no significant technological difficulties.	0	0.0%	0	8.3%	1	8.3%	1	75.0%	9	8.3%	1	3.83	0.69	12
I would recommend this tutorial / workshop to others.	0	0.0%	0	0.0%	0	0.0%	0	33.3%	4	66.7%	8	4.67	0.47	12
For the amount invested, I am happy with what I've gained.	0	0.0%	0	8.3%	1	0.0%	0	33.3%	4	58.3%	7	4.42	0.86	12
Overall, I would rate my tutorial/workshop experience as successful.	0	0.0%	0	0.0%	0	8.3%	1	33.3%	4	58.3%	7	4.50	0.65	12

Please share your thoughts or suggestions for improvement.

- *Network in the conference center made this one a little difficult*
- *Thank you for the training opportunity.*
- *I would like to see an advanced class offered that digs into the afternoons subjects more indepth. Specifically Scripting and Development. The class over all is good as an intro, an advanced class would be good as an option.*
- *I think that the idea of users following along in a hands on way is a little difficult to keep up with the pace of the tutorial. For example, I made a typo on one command, so it failed, but the presnter had moved on and I couldn't figure out how to correct my command and then was forced to simply watch and listen. Either the pace should be slowed down, or users might get more out of the presentation by listening and watching. Perhaps users should be encouraged to implement some of the examples in real time for specific portions of the workshop, and only listen/watch for others. It would be less hectic/stressful and I feel users could then absorb more overall.*
- *Better microphone quality. The microphone was overly sensitive to the point that you could hear every keystroke on the presenter's laptop. Not terrible, but it can be distracting if you have auditory sensitivity.*
- *I think there's perhaps parts of this that seemed like I might spend years with spack and still not use, so perhaps not essential to cover, instead of spending time working through some of the more basic but fundamental things (wrestling with install options, scripting, and spec files)*
- *Thank you so much for such a great day!*

Please share any additional comments or suggestions you may have.

- *Presenters did a great job presenting Spack in an accessible way. It was not too technical and they provided practical examples for why you would use Spack.*
- *Awesome tutorial!*

## MPI and OpenMP programming in C++

Response rate: 7.1% (3/42)

Which of the following full day or afternoon workshop or tutorial sessions did you attend?

	%	Count
Tutorial: MPI and OpenMP programming in C++	100.0%	3
<b>Total</b>	<b>100%</b>	<b>3</b>

Please indicate the extent to which you agree with the following statements about the tutorial/workshop session.

	N/A	Strongly disagree (1)		Disagree (2)		Neither agree nor disagree (3)		Agree (4)		Strongly agree (5)		Mean	Std Dev	Total
My goals for attending this session were achieved.	0	0.0%	0	0.0%	0	66.7%	2	33.3%	1	0.0%	0	3.33	0.47	3
The session was well organized.	0	0.0%	0	0.0%	0	66.7%	2	33.3%	1	0.0%	0	3.33	0.47	3
The session description was accurate.	0	0.0%	0	0.0%	0	0.0%	0	66.7%	2	33.3%	1	4.33	0.47	3
The presenter(s) stimulated my interest.	0	0.0%	0	0.0%	0	33.3%	1	33.3%	1	33.3%	1	4.00	0.82	3
I have a better understanding of this topic as a result of this experience.		0.0%	0	0.0%	0	33.3%	1	66.7%	2	0.0%	0	3.67	0.47	3
I am confident that I can now incorporate this topic into my current or future work.	0	0.0%	0	0.0%	0	66.7%	2	0.0%	0	33.3%	1	3.67	0.94	3
The length of the session was appropriate.	0	0.0%	0	33.3%	1	0.0%	0	66.7%	2	0.0%	0	3.33	0.94	3
The content was presented clearly.	0	0.0%	0	0.0%	0	0.0%	0	100.0%	3	0.0%	0	4.00	0.00	3
The exercises / hands-on activities were adequate.	1	50.0%	1	50.0%	1	0.0%	0	0.0%	0	0.0%	0	1.50	0.50	2
I experienced little to no significant technological difficulties.	0	66.7%	2	33.3%	1	0.0%	0	0.0%	0	0.0%	0	1.33	0.47	3
I would recommend this tutorial / workshop to others.	0	0.0%	0	0.0%	0	0.0%	0	100.0%	3	0.0%	0	4.00	0.00	3
For the amount invested, I am happy with what I've gained.	0	0.0%	0	0.0%	0	66.7%	2	0.0%	0	33.3%	1	3.67	0.94	3
Overall, I would rate my tutorial/workshop experience as successful.	0	0.0%	0	0.0%	0	66.7%	2	0.0%	0	33.3%	1	3.67	0.94	3

Please share your thoughts or suggestions for improvement.

- *The hands-on did not happen because of technical issues. The backend coordination with the HPC operator needs to be improved, or a way to have this exercise executed on a laptop (hard though).*
- *The presenter was not able to provide TACC accounts ahead of time, so no one had TACC accounts to do the hands on exercises. The presenter was told the accounts would be set up within 15 minutes of the requests, but they were not set up in the 2.5 hr window of the session.*

Please share any additional comments or suggestions you may have.

[None]

**Programming and Profiling Modern Multicore Processors**

Response rate: 1.8% (1/56)

Which of the following full day or afternoon workshop or tutorial sessions did you attend?

	%	Count
Tutorial: Programming and Profiling Modern Multicore Processors	100.0%	1
Total	100%	1

[No responses given]

## Providing novel accelerator systems to the science and engineering community

Response rate: 12.7% (9/71)

Which of the following full day or afternoon workshop or tutorial sessions did you attend?

	%	Count
Workshop: Providing novel accelerator systems to the science and engineering community	100.0%	9
<b>Total</b>	<b>100%</b>	<b>9</b>

Please indicate the extent to which you agree with the following statements about the tutorial/workshop session.

	N/A	Strongly disagree (1)		Disagree (2)		Neither agree nor disagree (3)		Agree (4)		Strongly agree (5)		Mean	Std Dev	Total
My goals for attending this session were achieved.	0	0.0%	0	0.0%	0	25.0%	2	0.0%	0	75.0%	6	4.50	0.87	8
The session was well organized.	0	0.0%	0	0.0%	0	0.0%	0	37.5%	3	62.5%	5	4.63	0.48	8
The session description was accurate.	0	0.0%	0	0.0%	0	0.0%	0	50.0%	4	50.0%	4	4.50	0.50	8
The presenter(s) stimulated my interest.	0	0.0%	0	0.0%	0	25.0%	2	37.5%	3	37.5%	3	4.13	0.78	8
I have a better understanding of this topic as a result of this experience.	0	0.0%	0	0.0%	0	0.0%	0	50.0%	4	50.0%	4	4.50	0.50	8
I am confident that I can now incorporate this topic into my current or future work.	0	0.0%	0	0.0%	0	12.5%	1	62.5%	5	25.0%	2	4.13	0.60	8
The length of the session was appropriate.	0	0.0%	0	12.5%	1	0.0%	0	62.5%	5	25.0%	2	4.00	0.87	8
The content was presented clearly.	0	0.0%	0	12.5%	1	12.5%	1	50.0%	4	25.0%	2	3.88	0.93	8
The exercises / hands-on activities were adequate.	7	0.0%	0	0.0%	0	0.0%	0	0.0%	0	100.0%	1	5.00	0.00	1
I experienced little to no significant technological difficulties.	3	0.0%	0	20.0%	1	0.0%	0	20.0%	1	60.0%	3	4.20	1.17	5
I would recommend this tutorial / workshop to others.	0	0.0%	0	12.5%	1	0.0%	0	50.0%	4	37.5%	3	4.13	0.93	8
For the amount invested, I am happy with what I've gained.	0	0.0%	0	12.5%	1	0.0%	0	62.5%	5	25.0%	2	4.00	0.87	8

	N/A	Strongly disagree (1)		Disagree (2)		Neither agree nor disagree (3)		Agree (4)		Strongly agree (5)		Mean	Std Dev	Total
Overall, I would rate my tutorial/workshop experience as successful.	0	0.0%	0	12.5%	1	0.0%	0	62.5%	5	25.0%	2	4.00	0.87	8

Please share your thoughts or suggestions for improvement.

- *The presentations about the different systems were all good, but there wasn't as much of an overlap between them to be able to make a good comparison. For example, each of the presenters hitting on the same topics (system installation process, vendor interactions, user experiences, profiling tools) and then having a more organized panel towards the end would have been helpful. Also, the first portions in the morning didn't align as well with the rest of the day.*
- *It was a little confusing and repetitive.*

Please share any additional comments or suggestions you may have.

[None]



## SciTokens Tutorial: Capability Tokens for Science

Response rate: 10.3% (3/29)

Which of the following full day or afternoon workshop or tutorial sessions did you attend?

	%	Count
Tutorial: SciTokens Tutorial: Capability Tokens for Science	100.0%	3
<b>Total</b>	<b>100%</b>	<b>3</b>

Please indicate the extent to which you agree with the following statements about the tutorial/workshop session.

	N/A	Strongly disagree (1)			Disagree (2)			Neither agree nor disagree (3)			Agree (4)			Strongly agree (5)		Mean	Std Dev	Total
My goals for attending this session were achieved.	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	66.7%	2	33.3%	1	4.33	0.47	3		
The session was well organized.	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	33.3%	1	66.7%	2	4.67	0.47	3		
The session description was accurate.	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	100.0%	3	5.00	0.00	3		
The presenter(s) stimulated my interest.	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	100.0%	3	5.00	0.00	3		
I have a better understanding of this topic as a result of this experience.		0.0%	0	0.0%	0	0.0%	0	0.0%	0	33.3%	1	66.7%	2	4.67	0.47	3		
I am confident that I can now incorporate this topic into my current or future work.	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	100.0%	3	0.0%	0	4.00	0.00	3		
The length of the session was appropriate.	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	33.3%	1	66.7%	2	4.67	0.47	3		
The content was presented clearly.	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	33.3%	1	66.7%	2	4.67	0.47	3		
The exercises / hands-on activities were adequate.	0	0.0%	0	0.0%	0	33.3%	1	33.3%	1	33.3%	1	33.3%	1	4.00	0.82	3		
I experienced little to no significant technological difficulties.	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	66.7%	2	33.3%	1	4.33	0.47	3		
I would recommend this tutorial / workshop to others.	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	33.3%	1	66.7%	2	4.67	0.47	3		
For the amount invested, I am happy with what I've gained.	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	66.7%	2	33.3%	1	4.33	0.47	3		
Overall, I would rate my tutorial/workshop experience as successful.	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	66.7%	2	33.3%	1	4.33	0.47	3		

Please share your thoughts or suggestions for improvement.

- *great presenters*
- *The tutorial pieces were paced a bit fast, especially the last one. Appreciated being able to download the slides and follow along and add notes.*
- *The tutorial was great and I learned a lot, but maybe it went a little too fast, so I couldn't follow everything. The documentation on how to run the steps could use a little more details, so one can follow it offline afterwards, in case it can't be finished during the time allotted.*

Please share any additional comments or suggestions you may have.

[None]

## Scientific computing with Kubernetes

Response rate: 25.5% (24/94)

Which of the following morning workshop or tutorial sessions did you attend?

	%	Count
Tutorial: Scientific computing with Kubernetes	100.0%	24
<b>Total</b>	<b>100%</b>	<b>24</b>

Please indicate the extent to which you agree with the following statements about the tutorial/workshop session.

	N/A	Strongly disagree (1)		Disagree (2)		Neither agree nor disagree (3)		Agree (4)		Strongly agree (5)		Mean	Std Dev	Total
My goals for attending this session were achieved.	0	0.0%	0	8.3%	2	0.0%	0	58.3%	14	33.3%	8	4.17	0.80	24
The session was well organized.	0	0.0%	0	0.0%	0	0.0%	0	45.8%	11	54.2%	13	4.54	0.50	24
The session description was accurate.	0	0.0%	0	0.0%	0	4.2%	1	33.3%	8	62.5%	15	4.58	0.57	24
The presenter(s) stimulated my interest.	0	0.0%	0	0.0%	0	4.2%	1	50.0%	12	45.8%	11	4.42	0.57	24
I have a better understanding of this topic as a result of this experience.	0	0.0%	0	4.2%	1	0.0%	0	45.8%	11	50.0%	12	4.42	0.70	24
I am confident that I can now incorporate this topic into my current or future work.	0	0.0%	0	4.2%	1	25.0%	6	50.0%	12	20.8%	5	3.88	0.78	24
The length of the session was appropriate.	0	0.0%	0	20.8%	5	4.2%	1	37.5%	9	37.5%	9	3.92	1.11	24
The content was presented clearly.	0	0.0%	0	4.2%	1	8.3%	2	33.3%	8	54.2%	13	4.38	0.81	24
The exercises / hands-on activities were adequate.	0	0.0%	0	4.2%	1	12.5%	3	41.7%	10	41.7%	10	4.21	0.82	24
I experienced little to no significant technological difficulties.	0	0.0%	0	12.5%	3	12.5%	3	37.5%	9	37.5%	9	4.00	1.00	24
I would recommend this tutorial/workshop to others.	0	4.2%	1	0.0%	0	0.0%	0	41.7%	10	54.2%	13	4.42	0.86	24
For the amount invested, I am happy with what I've gained.	0	0.0%	0	4.2%	1	0.0%	0	45.8%	11	50.0%	12	4.42	0.70	24

	N/A	Strongly disagree (1)		Disagree (2)		Neither agree nor disagree (3)		Agree (4)		Strongly agree (5)		Mean	Std Dev	Total
Overall, I would rate my tutorial / workshop experience as successful.	0	0.0%	0	4.2%	1	0.0%	0	37.5%	9	58.3%	14	4.50	0.71	24

Please share your thoughts or suggestions for improvement.

- *Tutorial could have benefitted from having more time, and having exercises that were less cut and paste. With more time this could have been possible. Also I think having a real world example followed with potential application use cases would have been very beneficial.*
- *Could have been a full-day workshop. More power strips ( one per table) would be helpful*
- *I would have appreciated more material regarding when Kubernetes is a good solution for HPC problems, and how it can be deployed at scale, in addition to the low level details about starting/managing pods, etc.*
- *the hands on section should be conducted by the presenter in addition to the write up.*
- *I came away with great info to decide if k8s is the right choice for our site. It was very helpful to hear directly from a computing center that was actually using it.*
- *The session needed probably another hour to get through all the hands-on exercises.*
- *Great workshop! It was a lot of content to cover in three hours, particularly for those who had never used Kubernetes before. The exercises were clear and easy to follow, but more time might have been helpful.*
- *I would allocate more time to this tutorial or at least let participants know what needs to be installed in advance. Also it would be super helpful if you had a cheat sheet of commands as part 2 and part 3 expected that we remember commands from part 1 and it takes time to search for them. It also would be nice to have directions to run a simple workflow starting with getting some container ( for example python), installing packages there and then running a job for some simple script.*
- *There were some wifi connectivity issues. Could have benefited from more time to cover additional topics*
- *Pre-distribute the Gitlab URL, or put it as a [large] header/footer on each slide The tutorial would have been better with more of an overview about the purpose, intended audience, and scope of the material. Slides --- way too much wasted space (ie., "YAML Everywhere" takes up 50% of slide, "Understanding your compute" title takes ~25% of the screen) too much text -- ie., description of container &gt; pod &gt; job could have been improved with graphics of concentric circles or other representation of the relationship a slide (side-by-side table?) of "batch" vs "K8" would be extremely helpful and could be repeated (with additional info for each topic) as the tutorial progressed too fast reading through slides Should have asked for questions between "Concepts" and "Hands On" sections, and more often during the tutorial. The yaml files should be included as files in the repo, not just text in the markdown doc*

Please share any additional comments or suggestions you may have.

- *It could be helpful to have follow-on guidance on how to do more hands-on testings on a given infrastructure after the workshop. Either SDSC's infrastructure (if it is possible, e.g. via ACCESS?), or set up your own infrastructure. The 24-hr period is not all that sufficient.*

## Sixth Workshop on Strategies for Enhancing HPC Education and Training (SEHET23)

Response rate: 12.2% (12/98)

Which of the following morning workshop or tutorial sessions did you attend?

	%	Count
Workshop: Sixth Workshop on Strategies for Enhancing HPC Education and Training (SEHET23)	100.0%	12
Total	100%	12

Please indicate the extent to which you agree with the following statements about the tutorial/workshop session.

	N/A	Strongly disagree (1)		Disagree (2)		Neither agree nor disagree (3)		Agree (4)		Strongly agree (5)		Mean	Std Dev	Total
My goals for attending this session were achieved.	0	0.0%	0	0.0%	0	8.3%	1	50.0%	6	41.7%	5	4.33	0.62	12
The session was well organized.	0	0.0%	0	0.0%	0	8.3%	1	33.3%	4	58.3%	7	4.50	0.65	12
The session description was accurate.	0	0.0%	0	0.0%	0	8.3%	1	41.7%	5	50.0%	6	4.42	0.64	12
The presenter(s) stimulated my interest.	0	0.0%	0	0.0%	0	8.3%	1	41.7%	5	50.0%	6	4.42	0.64	12
I have a better understanding of this topic as a result of this experience.	0	0.0%	0	0.0%	0	33.3%	4	25.0%	3	41.7%	5	4.08	0.86	12
I am confident that I can now incorporate this topic into my current or future work.	0	0.0%	0	0.0%	0	33.3%	4	25.0%	3	41.7%	5	4.08	0.86	12
The length of the session was appropriate.	0	0.0%	0	8.3%	1	8.3%	1	41.7%	5	41.7%	5	4.17	0.90	12
The content was presented clearly.	0	0.0%	0	0.0%	0	8.3%	1	41.7%	5	50.0%	6	4.42	0.64	12
The exercises / hands-on activities were adequate.	10	0.0%	0	0.0%	0	0.0%	0	0.0%	0	100.0%	2	5.00	0.00	2
I experienced little to no significant technological difficulties.	3	0.0%	0	22.2%	2	0.0%	0	33.3%	3	44.4%	4	4.00	1.15	9
I would recommend this tutorial/workshop to others.	0	0.0%	0	0.0%	0	16.7%	2	33.3%	4	50.0%	6	4.33	0.75	12
For the amount invested, I am happy with what I've gained.	0	0.0%	0	0.0%	0	8.3%	1	41.7%	5	50.0%	6	4.42	0.64	12
Overall, I would rate my tutorial / workshop experience as successful.	1	0.0%	0	0.0%	0	9.1%	1	36.4%	4	54.5%	6	4.45	0.66	11

Please share your thoughts or suggestions for improvement.

- *The SEHET workshop is always interesting to attend given the wide range of topics discussed and diversity of presenters.*
- *Great workshop.*
- *Conference slide template was not easy to see on the projector.*

Please share any additional comments or suggestions you may have.

- *The PEARC23 slide template had significant issues with the projector washing out the white text on the gray boxes.*
- *This was very helpful for someone new to Research Computing - thanks for collecting all of these perspectives in one session!*

## Software Engineering for Research Software (SE4RS'23)

Response rate: 5.8% (3/52)

Which of the following full day or afternoon workshop or tutorial sessions did you attend?

	%	Count
Workshop: Software Engineering for Research Software (SE4RS'23)	100.0%	3
Total	100%	3

Please indicate the extent to which you agree with the following statements about the tutorial/workshop session.

	N/A	Strongly disagree (1)		Disagree (2)		Neither agree nor disagree (3)		Agree (4)		Strongly agree (5)		Mean	Std Dev	Total
My goals for attending this session were achieved.	0	0.0%	0	0.0%	0	33.3%	1	66.7%	2	0.0%	0	3.67	0.47	3
The session was well organized.	0	0.0%	0	0.0%	0	0.0%	0	100.0%	3	0.0%	0	4.00	0.00	3
The session description was accurate.	0	0.0%	0	0.0%	0	0.0%	0	66.7%	2	33.3%	1	4.33	0.47	3
The presenter(s) stimulated my interest.	0	0.0%	0	0.0%	0	66.7%	2	33.3%	1	0.0%	0	3.33	0.47	3
I have a better understanding of this topic as a result of this experience.	0	0.0%	0	0.0%	0	33.3%	1	66.7%	2	0.0%	0	3.67	0.47	3
I am confident that I can now incorporate this topic into my current or future work.	0	0.0%	0	0.0%	0	66.7%	2	33.3%	1	0.0%	0	3.33	0.47	3
The length of the session was appropriate.	0	0.0%	0	0.0%	0	0.0%	0	66.7%	2	33.3%	1	4.33	0.47	3
The content was presented clearly.	0	0.0%	0	0.0%	0	0.0%	0	100.0%	3	0.0%	0	4.00	0.00	3
The exercises / hands-on activities were adequate.	2	0.0%	0	0.0%	0	100.0%	1	0.0%	0	0.0%	0	3.00	0.00	1
I experienced little to no significant technological difficulties.	0	0.0%	0	0.0%	0	0.0%	0	66.7%	2	33.3%	1	4.33	0.47	3
I would recommend this tutorial / workshop to others.	0	0.0%	0	0.0%	0	0.0%	0	100.0%	3	0.0%	0	4.00	0.00	3
For the amount invested, I am happy with what I've gained.	0	0.0%	0	0.0%	0	33.3%	1	66.7%	2	0.0%	0	3.67	0.47	3
Overall, I would rate my tutorial/workshop experience as successful.	0	0.0%	0	0.0%	0	33.3%	1	66.7%	2	0.0%	0	3.67	0.47	3



Please share your thoughts or suggestions for improvement.

- *The content didnt really resonate like the panel discussion did last year*
- *This workshop gave some opportunities for thinking and discussion. With more attendees, we could have created more ideas and discussions.*

Please share any additional comments or suggestions you may have.

[None]

## Synthetic Data Generation for Training Object Detection Models

Response rate: 0.0% (0/26)

[No responses]

## Testing your HPC system with buildtest

Response rate: 15.1% (14/93)

Which of the following full day or afternoon workshop or tutorial sessions did you attend?

	%	Count
Tutorial: Testing your HPC system with buildtest	100.0%	14
<b>Total</b>	<b>100%</b>	<b>14</b>

Please indicate the extent to which you agree with the following statements about the tutorial/workshop session.

	N/A	Strongly disagree (1)	Disagree (2)	Neither agree nor disagree (3)	Agree (4)	Strongly agree (5)	Mean	Std Dev	Total
My goals for attending this session were achieved.	0	33.3% 4	16.7% 2	33.3% 4	16.7% 2	0.0% 0	2.33	1.11	12
The session was well organized.	0	50.0% 6	16.7% 2	25.0% 3	8.3% 1	0.0% 0	1.92	1.04	12
The session description was accurate.	0	8.3% 1	0.0% 0	16.7% 2	75.0% 9	0.0% 0	3.58	0.86	12
The presenter(s) stimulated my interest.	0	25.0% 3	25.0% 3	16.7% 2	33.3% 4	0.0% 0	2.58	1.19	12
I have a better understanding of this topic as a result of this experience.	0	25.0% 3	16.7% 2	25.0% 3	33.3% 4	0.0% 0	2.67	1.18	12
I am confident that I can now incorporate this topic into my current or future work.	0	33.3% 4	16.7% 2	33.3% 4	16.7% 2	0.0% 0	2.33	1.11	12
The length of the session was appropriate.	0	8.3% 1	8.3% 1	33.3% 4	41.7% 5	8.3% 1	3.33	1.03	12
The content was presented clearly.	0	25.0% 3	33.3% 4	16.7% 2	25.0% 3	0.0% 0	2.42	1.11	12
The exercises / hands-on activities were adequate.	0	41.7% 5	33.3% 4	8.3% 1	16.7% 2	0.0% 0	2.00	1.08	12
I experienced little to no significant technological difficulties.	0	50.0% 6	33.3% 4	0.0% 0	16.7% 2	0.0% 0	1.83	1.07	12
I would recommend this tutorial / workshop to others.	0	41.7% 5	16.7% 2	25.0% 3	16.7% 2	0.0% 0	2.17	1.14	12
For the amount invested, I am happy with what I've gained.	0	41.7% 5	16.7% 2	25.0% 3	16.7% 2	0.0% 0	2.17	1.14	12
Overall, I would rate my tutorial/workshop experience as successful.	0	41.7% 5	16.7% 2	25.0% 3	16.7% 2	0.0% 0	2.17	1.14	12

Please share your thoughts or suggestions for improvement.

- *Instead on focusing on following the documented tutorial, I wish there was more discussion and demonstration of actual cluster testing.*
- *The sessions had valuable information but the sessions had tech difficulties either the Wi-Fi was inadequate or difficulties on the presenters end. Most issues were resolved but the biggest issue was lack of power outlets.*
- *Good tutorial but doing hands-on always causes issues. People can always do it later so focus on the message and show us what the tool can do. We can try ourselves later*
- *Everything about this tutorial needs to improve. It looks like presenters never taught a tutorial in their lives. They were very willing to help and I appreciate it, but they need to learn how to run a successful tutorial. 1. All initial links should be collected on a single page, so people would not need to open 4 different links. And the directions what to do with each link should be presented on a single slide. 2. At the beginning of the tutorial the presenters should explain what this software is for, what can be achieved with her and what it should not be used for. This info is present in the docs, but then almost everything that was presented could be found in the docs, so it is not clear why would one come to this tutorial if were just copied and pasted lines from the tutorial. 3. Instead of copying almost every single line in from the man pages, I would dedicate some time to go through slides explaining the system design and main building blocks/commands and then have 15-30 min dedicated for hands-on exercises so people could run 2-3 hands-on exercises/tests themselves. Then spend another 20-30 minutes to go to more advanced material and then again 15-20 min for hands-on exercises etc.*
- *The presenters were literally reading off their online documentation. The session offered no additional value beyond reading the docs myself on my own time. I'm quite upset that I was unable to attend other interesting afternoon sessions because I chose this one.*

Please share any additional comments or suggestions you may have.

- *I would recommend that they first try to run their tutorial on a group of "new to buildtest" people and improve it until these people are happy and then run this tutorial in a conference environment.*

## The Taming of the Wolf - how to use the Ookami Cray Apollo 80 system and Fujitsu A64FX processors

Response rate: 3.8% (1/26)

Which of the following full day or afternoon workshop or tutorial sessions did you attend?

	%	Count
Workshop: The Taming of the Wolf - how to use the Ookami Cray Apollo 80 system and Fujitsu A64FX processors	100.0%	1
Total	100%	1

[No responses given]



## TIES 2023: Artificial Intelligence and Big Data Analytics at Extreme Scale

Response rate: 3.7% (3/81)

Which of the following full day or afternoon workshop or tutorial sessions did you attend?

	%	Count
Workshop: TIES 2023: Artificial Intelligence and Big Data Analytics at Extreme Scale	100.0%	3
<b>Total</b>	<b>100%</b>	<b>3</b>

Please indicate the extent to which you agree with the following statements about the tutorial/workshop session.

	N/A	Strongly disagree (1)		Disagree (2)		Neither agree nor disagree (3)		Agree (4)		Strongly agree (5)		Mean	Std Dev	Total
My goals for attending this session were achieved.	0	0.0%	0	0.0%	0	33.3%	1	33.3%	1	33.3%	1	4.00	0.82	3
The session was well organized.	0	0.0%	0	0.0%	0	0.0%	0	33.3%	1	66.7%	2	4.67	0.47	3
The session description was accurate.	0	0.0%	0	0.0%	0	0.0%	0	66.7%	2	33.3%	1	4.33	0.47	3
The presenter(s) stimulated my interest.	0	0.0%	0	0.0%	0	0.0%	0	66.7%	2	33.3%	1	4.33	0.47	3
I have a better understanding of this topic as a result of this experience.	0	0.0%	0	0.0%	0	33.3%	1	33.3%	1	33.3%	1	4.00	0.82	3
I am confident that I can now incorporate this topic into my current or future work.	0	0.0%	0	33.3%	1	0.0%	0	66.7%	2	0.0%	0	3.33	0.94	3
The length of the session was appropriate.	0	0.0%	0	0.0%	0	0.0%	0	33.3%	1	66.7%	2	4.67	0.47	3
The content was presented clearly.	0	0.0%	0	0.0%	0	33.3%	1	0.0%	0	66.7%	2	4.33	0.94	3
The exercises / hands-on activities were adequate.	2	0.0%	0	0.0%	0	0.0%	0	100.0%	1	0.0%	0	4.00	0.00	1
I experienced little to no significant technological difficulties.	0	0.0%	0	0.0%	0	0.0%	0	66.7%	2	33.3%	1	4.33	0.47	3
I would recommend this tutorial / workshop to others.	0	0.0%	0	0.0%	0	66.7%	2	0.0%	0	33.3%	1	3.67	0.94	3
For the amount invested, I am happy with what I've gained.	0	0.0%	0	0.0%	0	33.3%	1	33.3%	1	33.3%	1	4.00	0.82	3
Overall, I would rate my tutorial/workshop experience as successful.	0	0.0%	0	0.0%	0	33.3%	1	33.3%	1	33.3%	1	4.00	0.82	3

Please share your thoughts or suggestions for improvement.

- *More power outlets in the conference rooms, please.*

Please share any additional comments or suggestions you may have.

[None]



## Unlocking the Potential of HPC in the Cloud with Open-Source Tools

Response rate: 25.9% (14/54)

Which of the following full day or afternoon workshop or tutorial sessions did you attend?

	%	Count
Tutorial: Unlocking the Potential of HPC in the Cloud with Open-Source Tools	100.0%	14
<b>Total</b>	<b>100%</b>	<b>14</b>

Please indicate the extent to which you agree with the following statements about the tutorial/workshop session.

	N/A	Strongly disagree (1)		Disagree (2)		Neither agree nor disagree (3)		Agree (4)		Strongly agree (5)		Mean	Std Dev	Total
My goals for attending this session were achieved.	0	0.0%	0	8.3%	1	16.7%	2	50.0%	6	25.0%	3	3.92	0.86	12
The session was well organized.	0	0.0%	0	0.0%	0	0.0%	0	50.0%	6	50.0%	6	4.50	0.50	12
The session description was accurate.	0	0.0%	0	8.3%	1	16.7%	2	33.3%	4	41.7%	5	4.08	0.95	12
The presenter(s) stimulated my interest.	0	0.0%	0	8.3%	1	8.3%	1	58.3%	7	25.0%	3	4.00	0.82	12
I have a better understanding of this topic as a result of this experience.	0	0.0%	0	8.3%	1	0.0%	0	50.0%	6	41.7%	5	4.25	0.83	12
I am confident that I can now incorporate this topic into my current or future work.	0	0.0%	0	8.3%	1	50.0%	6	33.3%	4	8.3%	1	3.42	0.76	12
The length of the session was appropriate.	0	0.0%	0	18.2%	2	0.0%	0	45.5%	5	36.4%	4	4.00	1.04	11
The content was presented clearly.	0	0.0%	0	0.0%	0	0.0%	0	50.0%	6	50.0%	6	4.50	0.50	12
The exercises / hands-on activities were adequate.	0	9.1%	1	0.0%	0	27.3%	3	45.5%	5	18.2%	2	3.64	1.07	11
I experienced little to no significant technological difficulties.	0	0.0%	0	0.0%	0	0.0%	0	36.4%	4	63.6%	7	4.64	0.48	11
I would recommend this tutorial / workshop to others.	0	9.1%	1	0.0%	0	9.1%	1	54.5%	6	27.3%	3	3.91	1.08	11
For the amount invested, I am happy with what I've gained.	0	9.1%	1	0.0%	0	0.0%	0	54.5%	6	36.4%	4	4.09	1.08	11
Overall, I would rate my tutorial/workshop experience as successful.	0	9.1%	1	0.0%	0	0.0%	0	63.6%	7	27.3%	3	4.00	1.04	11

Please share your thoughts or suggestions for improvement.

- *hands on section should be conducted by the presenter in addition to the write up.*
- *Not enough time for hands-on work.*
- *This was way too much of a vendor pitch. I appreciate that I should have anticipated this given that it was presented by a vendor but I expected much more hands on. Was pretty much an overview (albeit technical) of GCP-specific services and 20 mins of hands on. Completely proprietary aside from the slurm script which was a basic hostname script.*

Please share any additional comments or suggestions you may have.

- *Although Google's hpc toolkit was mentioned in the description, I didn't fully realize that this was going to be a Google-centric workshop run by Google staff. The knowledge is great to have, but I probably would have chosen something else.*

## DDN: Efficiency in AI and High Performance Computing Storage (morning session)

Response rate: 4.0% (2/50)

Which of the following morning workshop or tutorial sessions did you attend?

	%	Count
Exhibitor Workshop: DDN: Efficiency in AI and High Performance Computing Storage	100.0%	2
<b>Total</b>	<b>100%</b>	<b>2</b>

Please indicate the extent to which you agree with the following statements about the tutorial/workshop session.

	N/A	Strongly disagree (1)		Disagree (2)		Neither agree nor disagree (3)		Agree (4)		Strongly agree (5)		Mean	Std Dev	Total
My goals for attending this session were achieved.	0	0.0%	0	0.0%	0	0.0%	0	50.0%	1	50.0%	1	4.50	0.50	2
The session was well organized.	0	0.0%	0	0.0%	0	0.0%	0	50.0%	1	50.0%	1	4.50	0.50	2
The session description was accurate.	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	100.0%	1	5.00	0.00	1
The presenter(s) stimulated my interest.	0	0.0%	0	0.0%	0	50.0%	1	0.0%	0	50.0%	1	4.00	1.00	2
I have a better understanding of this topic as a result of this experience.	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	100.0%	1	5.00	0.00	1
I am confident that I can now incorporate this topic into my current or future work.	0	0.0%	0	0.0%	0	50.0%	1	0.0%	0	50.0%	1	4.00	1.00	2
The length of the session was appropriate.	0	0.0%	0	0.0%	0	0.0%	0	50.0%	1	50.0%	1	4.50	0.50	2
The content was presented clearly.	0	0.0%	0	0.0%	0	0.0%	0	50.0%	1	50.0%	1	4.50	0.50	2
The exercises / hands-on activities were adequate.	1	0.0%	0	0.0%	0	0.0%	0	0.0%	0	100.0%	1	5.00	0.00	1
I experienced little to no significant technological difficulties.	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	100.0%	1	5.00	0.00	1

	N/A	Strongly disagree (1)		Disagree (2)		Neither agree nor disagree (3)		Agree (4)		Strongly agree (5)		Mean	Std Dev	Total
I would recommend this tutorial/workshop to others.	0	0.0%	0	0.0%	0	0.0%	0	50.0%	1	50.0%	1	4.50	0.50	2
For the amount invested, I am happy with what I've gained.	0	0.0%	0	0.0%	0	0.0%	0	50.0%	1	50.0%	1	4.50	0.50	2
Overall, I would rate my tutorial / workshop experience as successful.	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	100.0%	1	5.00	0.00	1

Please share your thoughts or suggestions for improvement.

- *it was unfortunate that so few PEARC23 attendees were present.*

Please share any additional comments or suggestions you may have.

[None]

## DDN: Efficiency in AI and High Performance Computing Storage (afternoon session)

Response rate: 4.0% (2/50)

Which of the following full day or afternoon workshop or tutorial sessions did you attend?

	%	Count
Exhibitor Workshop: DDN: Efficiency in AI and High Performance Computing Storage	100.0%	2
<b>Total</b>	<b>100%</b>	<b>2</b>

Please indicate the extent to which you agree with the following statements about the tutorial/workshop session.

	N/A	Strongly disagree (1)		Disagree (2)		Neither agree nor disagree (3)		Agree (4)		Strongly agree (5)		Mean	Std Dev	Total
My goals for attending this session were achieved.	0	50.0%	1	0.0%	0	0.0%	0	50.0%	1	0.0%	0	2.50	1.50	2
The session was well organized.	0	0.0%	0	0.0%	0	50.0%	1	50.0%	1	0.0%	0	3.50	0.50	2
The session description was accurate.	1	0.0%	0	100.0%	1	0.0%	0	0.0%	0	0.0%	0	2.00	0.00	1
The presenter(s) stimulated my interest.	0	0.0%	0	0.0%	0	100.0%	2	0.0%	0	0.0%	0	3.00	0.00	2
I have a better understanding of this topic as a result of this experience.	0	0.0%	0	0.0%	0	50.0%	1	50.0%	1	0.0%	0	3.50	0.50	2
I am confident that I can now incorporate this topic into my current or future work.	0	0.0%	0	0.0%	0	100.0%	2	0.0%	0	0.0%	0	3.00	0.00	2
The length of the session was appropriate.	0	50.0%	1	50.0%	1	0.0%	0	0.0%	0	0.0%	0	1.50	0.50	2
The content was presented clearly.	0	0.0%	0	0.0%	0	0.0%	0	100.0%	2	0.0%	0	4.00	0.00	2
The exercises / hands-on activities were adequate.	1	0.0%	0	0.0%	0	100.0%	1	0.0%	0	0.0%	0	3.00	0.00	1
I experienced little to no significant technological difficulties.	1	0.0%	0	0.0%	0	0.0%	0	0.0%	0	100.0%	1	5.00	0.00	1
I would recommend this tutorial / workshop to others.	0	0.0%	0	50.0%	1	50.0%	1	0.0%	0	0.0%	0	2.50	0.50	2
For the amount invested, I am happy with what I've gained.	0	0.0%	0	50.0%	1	50.0%	1	0.0%	0	0.0%	0	2.50	0.50	2

	N/A	Strongly disagree (1)		Disagree (2)		Neither agree nor disagree (3)		Agree (4)		Strongly agree (5)		Mean	Std Dev	Total
Overall, I would rate my tutorial/workshop experience as successful.	0	0.0%	0	50.0%	1	50.0%	1	0.0%	0	0.0%	0	2.50	0.50	2

Please share your thoughts or suggestions for improvement.

[None]

Please share any additional comments or suggestions you may have.

[None]

## Microsoft: Secure and Compliant Research in the Most Trusted Cloud (morning session)

Response rate: 5.0% (4/80)

Which of the following morning workshop or tutorial sessions did you attend?

	%	Count
Exhibitor Workshop: Microsoft: Secure and Compliant Research in the Most Trusted Cloud	100.0%	4
<b>Total</b>	<b>100%</b>	<b>4</b>

Please indicate the extent to which you agree with the following statements about the tutorial/workshop session.

	N/A	Strongly disagree (1)		Disagree (2)		Neither agree nor disagree (3)		Agree (4)		Strongly agree (5)		Mean	Std Dev	Total
My goals for attending this session were achieved.	0	0.0%	0	0.0%	0	0.0%	0	50.0%	2	50.0%	2	4.50	0.50	4
The session was well organized.	0	0.0%	0	0.0%	0	0.0%	0	25.0%	1	75.0%	3	4.75	0.43	4
The session description was accurate.	0	0.0%	0	0.0%	0	0.0%	0	75.0%	3	25.0%	1	4.25	0.43	4
The presenter(s) stimulated my interest.	0	0.0%	0	0.0%	0	25.0%	1	25.0%	1	50.0%	2	4.25	0.83	4
I have a better understanding of this topic as a result of this experience.	0	0.0%	0	0.0%	0	0.0%	0	25.0%	1	75.0%	3	4.75	0.43	4
I am confident that I can now incorporate this topic into my current or future work.	0	0.0%	0	0.0%	0	0.0%	0	50.0%	2	50.0%	2	4.50	0.50	4
The length of the session was appropriate.	0	0.0%	0	0.0%	0	0.0%	0	50.0%	2	50.0%	2	4.50	0.50	4
The content was presented clearly.	0	0.0%	0	0.0%	0	0.0%	0	75.0%	3	25.0%	1	4.25	0.43	4
The exercises / hands-on activities were adequate.	3	0.0%	0	0.0%	0	100.0%	1	0.0%	0	0.0%	0	3.00	0.00	1
I experienced little to no significant technological difficulties.	2	0.0%	0	0.0%	0	0.0%	0	50.0%	1	50.0%	1	4.50	0.50	2
I would recommend this tutorial/workshop to others.	0	0.0%	0	25.0%	1	0.0%	0	25.0%	1	50.0%	2	4.00	1.22	4
For the amount invested, I am happy with what I've gained.	0	0.0%	0	0.0%	0	0.0%	0	75.0%	3	25.0%	1	4.25	0.43	4
Overall, I would rate my tutorial / workshop experience as successful.	0	0.0%	0	0.0%	0	0.0%	0	50.0%	2	50.0%	2	4.50	0.50	4

Please share your thoughts or suggestions for improvement.

- *Break sooner*

Please share any additional comments or suggestions you may have.

- *Great overview of services and tools*



## Microsoft: Transform Research with AI (afternoon session)

Response rate: 5.3% (6/113)

Which of the following full day or afternoon workshop or tutorial sessions did you attend?

	%	Count
Exhibitor Workshop: Microsoft: Transform Research with AI	100.0%	6
<b>Total</b>	<b>100%</b>	<b>6</b>

Please indicate the extent to which you agree with the following statements about the tutorial/workshop session.

	N/A	Strongly disagree (1)		Disagree (2)		Neither agree nor disagree (3)		Agree (4)		Strongly agree (5)		Mean	Std Dev	Total
My goals for attending this session were achieved.	0	0.0%	0	25.0%	1	25.0%	1	25.0%	1	25.0%	1	3.50	1.12	4
The session was well organized.	0	25.0%	1	25.0%	1	0.0%	0	25.0%	1	25.0%	1	3.00	1.58	4
The session description was accurate.	0	0.0%	0	0.0%	0	50.0%	2	25.0%	1	25.0%	1	3.75	0.83	4
The presenter(s) stimulated my interest.	0	0.0%	0	25.0%	1	25.0%	1	50.0%	2	0.0%	0	3.25	0.83	4
I have a better understanding of this topic as a result of this experience.	0	0.0%	0	0.0%	0	25.0%	1	50.0%	2	25.0%	1	4.00	0.71	4
I am confident that I can now incorporate this topic into my current or future work.	0	0.0%	0	0.0%	0	75.0%	3	0.0%	0	25.0%	1	3.50	0.87	4
The length of the session was appropriate.	0	0.0%	0	25.0%	1	25.0%	1	25.0%	1	25.0%	1	3.50	1.12	4
The content was presented clearly.	0	0.0%	0	25.0%	1	25.0%	1	25.0%	1	25.0%	1	3.50	1.12	4
The exercises / hands-on activities were adequate.	2	0.0%	0	50.0%	1	50.0%	1	0.0%	0	0.0%	0	2.50	0.50	2
I experienced little to no significant technological difficulties.	2	0.0%	0	0.0%	0	50.0%	1	0.0%	0	50.0%	1	4.00	1.00	2
I would recommend this tutorial / workshop to others.	0	0.0%	0	25.0%	1	25.0%	1	25.0%	1	25.0%	1	3.50	1.12	4
For the amount invested, I am happy with what I've gained.	0	0.0%	0	0.0%	0	75.0%	3	25.0%	1	0.0%	0	3.25	0.43	4
Overall, I would rate my tutorial/workshop experience as successful.	0	0.0%	0	0.0%	0	75.0%	3	0.0%	0	25.0%	1	3.50	0.87	4

Please share your thoughts or suggestions for improvement.

- *Although presented as a workshop, a significant part was dedicated to a trial of a real-time live demo, which is practically always a bad habit. The screen had to be small and practically unreadable, the presenting person was too focused on the demo and less on the audience. In general, the subject was interesting and Microsoft has a lot to present but the session should be better organize.*
- *I wouldn't really say that the format was that of a tutorial - it seemed more an extended presentation with a couple of demos. It would have been nice to have a hands on element.*

Please share any additional comments or suggestions you may have.

- *In the list of the workshops to be evaluated, I miss the Monday morning Microsoft session. I would recommend including a Microsoft run workshop again but asking them to reduce (or eliminate) any hands-on real-time demo and focus more on the presentation itself (eventually using a prerecorded demo that allows the presenter to focus on the audience).*

## PEARC23 Student Program Survey

Response rate: 36.7% (22/60)

To what extent do you agree with the following statements regarding your overall experience at PEARC23?

	N/A	Strongly disagree (1)		Disagree (2)		Neither agree nor disagree (3)		Agree (4)		Strongly agree (5)		Mean	Std Dev	Total
My goals for attending the conference were achieved.	0	0.0%	0	4.5%	1	4.5%	1	45.5%	10	45.5%	10	4.32	0.76	22
I am interested in doing research involving advanced computing resources.	0	4.5%	1	0.0%	0	4.5%	1	45.5%	10	45.5%	10	4.27	0.91	22
My background knowledge and skills were a sufficient foundation for participation in the tutorials I attended.	1	0.0%	0	0.0%	0	9.5%	2	52.4%	11	38.1%	8	4.29	0.63	21
My background knowledge and skills were a sufficient foundation for participation in the overall conference.	0	4.5%	1	0.0%	0	4.5%	1	45.5%	10	45.5%	10	4.27	0.91	22
The student activities I attended were well-organized.	0	0.0%	0	9.1%	2	18.2%	4	40.9%	9	31.8%	7	3.95	0.93	22
I enjoyed the format of the student program activities.	0	4.5%	1	13.6%	3	4.5%	1	40.9%	9	36.4%	8	3.91	1.16	22
I connected meaningfully with scientists/researchers who use high performance computing systems in their work.	0	0.0%	0	0.0%	0	13.6%	3	36.4%	8	50.0%	11	4.36	0.71	22
I connected meaningfully with other students at the conference.	0	4.5%	1	4.5%	1	4.5%	1	36.4%	8	50.0%	11	4.23	1.04	22
I would recommend this conference to other students.	0	0.0%	0	0.0%	0	13.6%	3	22.7%	5	63.6%	14	4.50	0.72	22
Overall, I would rate my experience as successful.	0	0.0%	0	0.0%	0	9.1%	2	40.9%	9	50.0%	11	4.41	0.65	22

If you disagree or strongly disagree with any of the statements above, please explain here.

- *My background knowledge of computers was nowhere near close to what was needed to understand the workshops in the overall conference because the workshops were too advanced for me who only had a mathematics background with minimal computing experience. The tutorials and workshops for only the student program were much more geared for me, and I learned a lot from them.*
- *Networking at the conference and general events were great, however student activities involved very low level information, suited for people with little experience. There should be a way to opt out of these events if you are already experienced in the topics. I also felt like we should be able to choose what we volunteer for, as it would allow us to attend more things we are interested in as well as be more involved in volunteering.*
- *During the student program, it was difficult to find time to attend the talks I was interested in because the student assignments took up the entire portion of the talks and each talk was simultaneous with my shifts. I was able to attend two and they were only my shifts. I was hoping to learn more about advanced HPC and I did not really achieve that. Additionally, the students were ultimately never allowed time to bond with each other and exchange experiences. It made newcomers like myself very left out. Additionally, some disclaimer should be made about using the light rail during the evening or at night in Portland. Although it is not your responsibility to oversee our activities, it was a very unsafe choice for transport during the time back from grabbing dinner on days that food was not provided. I mention this because the emails and FAQ and free tickets encouraged their use without covering any of their potential risks.*
- *Please refine the mandatory HPC workshop and stick to the defined schedule. The work the volunteers put in was great, but unfortunately they were not allowed enough time. Perhaps make this optional for students with HPC experience. Maybe the intro portion could be optional and the actual activity mandatory. Please reach out to students with schedule and volunteer info well in advance, as plans for participation in the conference or other activities and responsibilities may be impacted by this. Please respect student's time. Some of the workshops could have been shortened. Other students were disruptive and rude during activities, personally ruining much of the experience for me. Personal opinions from the organizers on labor practices, such as advising students not to share salary info with coworkers when this only benefits management and not workers, are also unnecessary. Organizers said not to do this, then immediately contradicted themselves by expounding on how this brings to light unfairness and helps to make workplaces more equitable and strengthens worker solidarity. Salary transparency helps promote a more just world. Please educate yourselves on this if you want to cover it in the program, or at least share perspectives from both views. Further, statements such as "Covid is over" and "post-Covid" show and unawareness from organizers on the severity of the ongoing pandemic, where current lows in infection rates are equivalent to past peaks, and 1 in 10 infections results in a long term disability we are still working to understand the impacts of. Please make your program accessible for those with disabilities by masking and encouraging distancing and hygiene practices. Thanks so much for all of your hard work.*

What improvements and/or new activities would you suggest for the PEARC Student Program?

- *This is one of the greatest event I ever I attended*
- *The inclusion of MOC (Mock Object Creation) interviews can be a valuable and beneficial addition.*
- *More time to attend certain technical workshops, I think some of our required sessions conflicted with the timing of the technical workshops on the first day*
- *The first three workshops (resume, pitch it, negotiation) we're extremely helpful and i really learned from them, thank you for having them! The speed networking was also amazing and I feel that I really had great conversations with each of vendors. However, the morning check ins were unorganized along with some process for volunteering.*
- *I wanted to share some feedback regarding the resume clinic and speed networking sessions. Both activities were valuable, and I believe extending their duration would further enhance the overall experience for participants. Having more time for the resume clinic and speed networking would enable us to gain more insights and make the most of these opportunities.*
- *I think there should be more organization with how the students should split up during the workshops. Other than that, I think the workshops by the student program were appropriate for us and very useful. I suggest having an optional workshop for career planning and creating a budget for students who are planning to live on their own for the first time. The career planning workshop should be for students who don't know what their careers look like (with numerous pathways) and how to organize and explore the ideas they have for a possible career pathway. I just finished my undergrad and interested in stem, but I still don't know what career I want. I think having a career planning workshop would help me organize and pick a career pathway.*
- *more information on transitioning into careers would be nice, skills to try and build while you're in school and just more guidance on how to use your time in school effectively because PEARC is one week of the year and the rest of the time influences what opportunities we can get from all the amazing ones we see at PEARC*
- *n/a*
- *I believe it would be better if there were more number academic, National Labs, industry companies in the speed Networking Event.*
- *I would recommend more activities that allowed groups to mingle without too much supervision. The mentor dinner was cool but if we can have a student equivalent, that would be fun too. Allow other students to partner based on interests and perhaps encourage collaboration. Perhaps incorporate a casual dinner with the goal of coming up with a potential conference paper topic and the best ideas might win some cheap prizes like a gift card for Amazon. Additionally, I would screen the venues and the hotel a bit more, there were some very unsafe areas around the hotel where there were people on meth that tried approaching students.*
- *Additional team building exercises which incorporate technical skills, avoid overlap of required student activities with conference schedule, required feedback from vendors at the speed networking event, organize lightning talk schedule a bit better, required practice sessions for lightning talks :)*

- *I really do understand the intentions behind the Intro to HPC workshop, including that it was required as part of a funding stipulation. However, there were more than a few students for who this was redundant knowledge, and their time could have been better spent attending other workshops.*
- *I expected the activities to focus more on computation and research rather than professional development. Please consider adding those in for students, maybe at an introductory or intermediate level. Or please provide transparency beforehand about what types of activities are offered.*
- *Maybe the lightning talk session could be held at a more formal location instead of at catering room during lunch.*
- *Hackthon would be awesome.*
- *Less resume and more research creativity brainstorming sessions, and/or more HPC workshops would be phenomenal where there are classes essentially offered and we work on the anvil supercomputer and run a sample application we have and then can optimize it.*

How valuable to you were each of the following activities?

	Did not attend	Not at all valuable (1)		Not very valuable (2)		Neutral value (3)		Valuable (4)		Extremely valuable (5)		Mean	Std Dev	Total
Student Welcome	1	5.56%	1	5.56%	1	22.22%	4	38.89%	7	27.78%	5	3.78	1.08	18
Student-Mentor Program	1	0.00%	0	0.00%	0	16.67%	3	33.33%	6	50.00%	9	4.33	0.75	18
Student-Mentor Dinner	1	0.00%	0	0.00%	0	22.22%	4	27.78%	5	50.00%	9	4.28	0.80	18
Pitchit Workshop	0	0.00%	0	5.26%	1	15.79%	3	36.84%	7	42.11%	8	4.16	0.87	19
Resume Workshop	0	0.00%	0	15.79%	3	15.79%	3	26.32%	5	42.11%	8	3.95	1.10	19
Exhibitor Speed Networking	0	0.00%	0	0.00%	0	10.53%	2	31.58%	6	57.89%	11	4.47	0.68	19
Negotiation Workshop	0	0.00%	0	10.53%	2	15.79%	3	31.58%	6	42.11%	8	4.05	1.00	19
Student Lightning Talks	1	16.67%	3	11.11%	2	22.22%	4	27.78%	5	22.22%	4	3.28	1.37	18
Intro to HPC Workshop	2	11.76%	2	0.00%	0	23.53%	4	47.06%	8	17.65%	3	3.59	1.14	17
Exec & Steering Committee Dinner	4	0.00%	0	13.33%	2	13.33%	2	53.33%	8	20.00%	3	3.80	0.91	15
Poster and Visualization Showcase	0	0.00%	0	0.00%	0	27.78%	5	33.33%	6	38.89%	7	4.11	0.81	18
Tuesday, July 25: Plenary Session   D.K. Panda	5	0.00%	0	0.00%	0	18.18%	2	54.55%	6	27.27%	3	4.09	0.67	11
Tuesday, July 25: Plenary Session   Suzanne A. Pierce	6	0.00%	0	0.00%	0	20.00%	2	70.00%	7	10.00%	1	3.90	0.54	10
Wednesday, July 26: Plenary Session   Ilkay Altinas	6	0.00%	0	0.00%	0	30.00%	3	50.00%	5	20.00%	2	3.90	0.70	10
Wednesday, July 26: Plenary Session   NSF Program Office Panel; Sharon Broude Geva, Moderator	7	0.00%	0	0.00%	0	22.22%	2	55.56%	5	22.22%	2	4.00	0.67	9
Thursday, July 27: Plenary Session   Al Kuslikis	6	0.00%	0	0.00%	0	30.00%	3	40.00%	4	30.00%	3	4.00	0.77	10

You indicated that you found at least one of the activities listed in the previous question to be “not very” or “not at all” valuable. Please share any insights that could help future conference organizers to address the deficiencies you experienced.

- *I felt that not many of the non-students at the conference really cared about the talks, they were in the back just eating.*
- *It was not valuable because these activities tended to cater more towards undergraduates instead of graduate students. While I am sure it was valuable for them, it was not so much for Master's or PhD students.*
- *Addressed in previous response*

Which PEARC23 presentations did you enjoy most and why?

- *The Paper presentation session was enlightening, as it allowed me to delve into the most current and trending research topics. I thoroughly enjoyed the session and found it to be an invaluable experience in expanding my knowledge and awareness of ongoing developments in the field.*
- *I enjoyed the Spack workshop, because the presenters were very outgoing and friendly, which made the presentation interactive.*
- *I loved all the presentations as part of Student Program. They were very informative!*
- *Since I couldn't understand the regular conference workshops well, the presentations that I enjoyed the most were from the student program. The presentation that was most useful for me was the negotiation workshop because I knew nothing about how to negotiate salaries with employers. I feel like I can use the information I learned to help me transition easily into a new job.*
- *Sixth Workshop on Strategies for Enhancing HPC Education and Training (SEHET23). I was the student volunteer for this workshop and wouldn't have picked it otherwise. But I learned so much about how people are trying to bring people into the field and the speakers remembered me throughout the conference. They took time to get to know me and make personal connections later which gave me great leads on different career and education paths I can take.*
- *I enjoyed talking to people in networking sessions*
- *Dk sir Event was best.*
- *I did not get to see much because of my responsibilities. While I did volunteer, it was very disappointing to see my time utilized so sub-optimally. I respect the effort of the conference and their organizers, and the energy was good there. I just saw this experience as more work for graduates while it seemed to benefit being an undergraduate.*
- *HPC Toolset, Open OnDemand + ACCESS, Intro to HPC*
- *Microsoft workshops and presentations, well planned out and prepared for.*
- *HPC Test BoF session because I get to learn a lot. About how HPC systems are tested.*
- *I enjoyed the campus champions presentation, the most because it was all visuals, who are passionate about building, a bridge between students and a niche community.*



Did you participate in the PEARC23 Student-Mentor Program?

	%	Count
Yes	89.5%	17
No, but considered	10.5%	2
No, and did not consider	0.0%	0
No, I didn't know about it	0.0%	0
Total	100%	19

To what extent do you agree with the following statements regarding your experience in the PEARC23 Student-Mentor Program?

	N/A	Strongly disagree (1)		Disagree (2)		Neither agree nor disagree (3)		Agree (4)		Strongly agree (5)		Mean	Std Dev	Total
The scope of the student-mentor program met my expectations.	0	0.0%	0	5.9%	1	11.8%	2	47.1%	8	35.3%	6	4.12	0.83	17
My mentor was knowledgeable and could answer my questions.	0	0.0%	0	5.9%	1	5.9%	1	35.3%	6	52.9%	9	4.35	0.84	17
I had enough time to talk to my mentor during the conference.	0	0.0%	0	0.0%	0	0.0%	0	52.9%	9	47.1%	8	4.47	0.50	17
I have a plan for keeping in touch with my mentor after the conference.	0	0.0%	0	0.0%	0	23.5%	4	35.3%	6	41.2%	7	4.18	0.78	17
I would recommend the student-mentor program to my peers.	0	0.0%	0	0.0%	0	5.9%	1	41.2%	7	52.9%	9	4.47	0.61	17

You indicated that you “disagree” or “strongly disagree” with at least one of the statements in the previous question. Please share any insights that could help future conference organizers to improve the PEARC conference experience.

- *My mentor didn't fit my scope because we didn't have the same paths for me.*
- *I think the process in which mentors are paired with mentees could be completely more focused on their future aspects with her interested in the future so that you know, the students are paired with mentors who work in the fields currently that they are interested in because there was a lot of mentors who had a mechanical engineering background and I see background were some of the students were just more interested in research computing and you know there's a lot of kind of organizations that communities that we represent it could've been structured a lot better*

How did you hear about the PEARC conference? Please select all that apply.

	%	Count
Another conference	0.0%	0
College	23.8%	5
Department	19.0%	4
Faculty advisor	14.3%	3
HPCUniversity.org website	0.0%	0
Shodor website	0.0%	0
Student organization	0.0%	0
ACCESS website, event, and/or training	9.5%	2
Other (please specify):	33.3%	7
Total	100%	21

Other (please specify):

- *National lab*
- *REU*
- *SGCI*
- *Previous attendee*
- *Scott Callaghan*
- *website*
- *Ashley Barker's LinkedIn Post ( at the deadline :)*

In addition to the Student Program, in which conference track did you primarily participate?

	%	Count
Applications and Software track	21.1%	4
Tutorials and Workshops	42.1%	8
Workforce Development and Training track	10.5%	2
Systems and Systems Software track	26.3%	5
General/Plenaries	0.0%	0
Total	100%	19

Please select all of the following statements that apply to you:

	%	Count
This was my first time attending a PEARC conference	70.4%	19
I use ACCESS resources (computational, training, outreach, etc.) for my research/work	22.2%	6
I attended as part of a Research Experience for Undergraduates (REU) program	3.7%	1
I attended as part of an ACCESS program	3.7%	1
Total	100%	27

Job title/academic status:

	%	Count
Postdoctoral fellow	0.0%	0
Graduate student	57.9%	11
Undergraduate student	42.1%	8
High school student	0.0%	0
Other (please specify):	0.0%	0
Total	100%	19

Please describe your institution. Select all that apply.

	%	Count
EPSCoR institution	5.6%	1
Minority-serving institution	5.6%	1
Associate’s college (all degrees are at the associate’s level)	0.0%	0
Baccalaureate college/university	11.1%	2
Master’s college/university	22.2%	4
Doctorate-granting university	16.7%	3
Teaching-focused institution	5.6%	1
Research-focused institution	27.8%	5
Government lab (or other federally-funded research and development center)	5.6%	1
Non-profit organization (non-academic)	0.0%	0
Corporate or industrial organization	0.0%	0
Non-US institution	0.0%	0
Other (please describe):	0.0%	0
Total	100%	18

Race/ethnicity (select all that apply):

	%	Count
American Indian or Alaska Native	4.5%	1
Asian	40.9%	9
Black or African-American	0.0%	0
Hispanic or Latinx	18.2%	4
Middle Eastern or North African	0.0%	0
Native Hawaiian or Other Pacific Islander	0.0%	0
White	31.8%	7
Prefer to self-describe:	0.0%	0
Prefer not to disclose	4.5%	1
Total	100%	22

Gender:

	%	Count
Male	50.0%	9
Female	33.3%	6
Non-binary	5.6%	1
Prefer to self-describe:	5.6%	1
Prefer not to disclose	5.6%	1
Total	100%	18

Other:

- *Gender abolitionist*

What is the highest level of education achieved by your parent and/or guardian?

	%	Count
High school or less	27.8%	5
Some college	16.7%	3
Associate's (two-year) degree	5.6%	1
Bachelor's degree	16.7%	3
Master's degree	22.2%	4
Professional doctoral degree (e.g., MD/DO, EdD, DMD, DDS, OD, EED, DSc, etc.)	0.0%	0
PhD	11.1%	2
Other (please specify):	0.0%	0
<b>Total</b>	<b>100%</b>	<b>18</b>

## PEARC23 Mentor Survey

Response rate: 30.4% (14/46)

To what extent do you agree with the following statements regarding your role as a mentor at PEARC23?

	N/A	Strongly disagree (1)		Disagree (2)		Neither agree nor disagree (3)		Agree (4)		Strongly agree (5)		Mean	Std Dev	Total
The scope of the Student-Mentor Program met my expectations.	0	0.0%	0	0.0%	0	14.3%	2	35.7%	5	50.0%	7	4.36	0.72	14
The Student-Mentor Program worked well.	0	0.0%	0	0.0%	0	14.3%	2	35.7%	5	50.0%	7	4.36	0.72	14
I am satisfied with the student/mentor matching process.	0	0.0%	0	0.0%	0	21.4%	3	28.6%	4	50.0%	7	4.29	0.80	14
The Student-Mentor Dinner was successful.	0	0.0%	0	0.0%	0	7.1%	1	35.7%	5	57.1%	8	4.50	0.63	14
I had enough opportunities to talk to my student mentee during the conference.	0	0.0%	0	14.3%	2	14.3%	2	14.3%	2	57.1%	8	4.14	1.12	14
I engaged meaningfully with my student mentee.	0	0.0%	0	0.0%	0	0.0%	0	50.0%	7	50.0%	7	4.50	0.50	14
I plan on keeping in touch with my student mentee after the conference.	0	0.0%	0	0.0%	0	0.0%	0	50.0%	7	50.0%	7	4.50	0.50	14
I was given sufficient guidance from the planning committee to adequately prepare for my mentor role at PEARC23.	0	0.0%	0	7.1%	1	14.3%	2	35.7%	5	42.9%	6	4.14	0.91	14
I would recommend that others participate in the Student-Mentor program in future years.	0	0.0%	0	0.0%	0	0.0%	0	35.7%	5	64.3%	9	4.64	0.48	14

You indicated that you “disagree” or “strongly disagree” with at least one of the statements in the previous question. Please share any insights that could help future conference organizers to improve the PEARC conference experience.

- *The person I was mentoring has a goal and current experience that do not match what I could offer. So in a sense I was not quite a good match for her. But on the other hand I consider this a challenge for me to help someone on a trajectory that was not familiar to me. So in this respect it is not all loss. I still value the opportunity to connect with the mentee and would love to participate in this program again when I am able to.*
- *As set up a few students come in as the result of checking the box, not from personal interest or seeing value in it.*

What are some of the strengths of the PEARC Student-Mentor Program?

- *The focused nature of the conference affords an opportunity to give sufficient attention to the mentoring event.*
- *This is my first year participating in the Student-Mentor program. This would have given some good opportunities for students to interact with their mentors and other participants through the mentor. This program provides a safe space for people to become better communicators of their work and gather knowledge.*
- *Provides easy means of meeting new people in the field. Offers a low pressure and fun environment for making new connections. Program and dinner was well-organized.*
- *It is great to get formally linked to a student then have the opportunity to informally discuss what is relevant to the student.*
- *The matching was excellent. Plenty of opportunities to connect with mentee before and after the dinner.*
- *I like how there are many different mentors to provide different perspectives to the students.*
- *This is great opportunity to help students with broad scope and provide generic and specific information regarding their research, education and/or career.*
- *Great communication and the students were all very supportive of the program. I heard a lot of conversations from students that they were very excited and happy with the experience.*
- *Great opportunity to meet students and introduce them to Cyberinfrastructure and computing and hear about their interests and work.*
- *The program adds value to the PEARC event by letting the students take initial steps towards building their network and professional growth.*

How can the PEARC Student-Mentor Program be improved?

- *Some kind of specific matching based on similarity of goals/interests could be helpful. But I am not too strong in opinion on this either. Cross-networking with nearby tables could be helpful. It eventually happened toward the end of the time, but it was a bit awkward that we focused too much on 1-on-1 in the beginning.*
- *More notice as to whether or not we'll be matched and with who would be appreciated. A LinkedIn group for student-mentor pairs could be a fun way to encourage longer term connections. A second-event student-mentor event towards the end of the conference could be a good way to encourage checking in on how a student's conference experience was.*
- *I think prompts or reminders to the mentor/mentee about continuing contact would be helpful.*
- *The long table setup this year reduced the multiple mentor/student interactions. Last year, we were set up with round tables where we could share information among more mentors and students.*
- *It will be useful to get more information why the mentee chose me for the mentor. Some background for the mentee and expectations if any would be great to have for greater engagement.*



- *No suggestions at this time.*
- *Seems good I think*
- *It would be helpful if we could exchange CVs/resumes earlier in the process so the mentors have a better base to start with the mentee and the mentee knows something about their mentor. Especially helpful with shy or more introverted mentees*

Please share with us any ideas you might have for joint student-mentor activities at future conferences.

- *An ice-breaker game that has been successful at other conferences is "two truths and a lie". Participants are broken into tables of a dozen or so and each person comes up with 3 "facts" about themselves and others have to guess which was the lie.*
- *I liked the lightning talks at lunch, but I think it would have been better in a smaller venue without the whole conference lunch. The din of lunch conversations detracted from the student presentations. However, I think it would have been interesting for all of the students & mentors to attend those talks.*
- *I think two more check points for a brief meeting during conference may be organized. Some post conference followup opportunity would be useful.*
- *Maybe a reminder email 3 months and then 6 months after the conference to mentors to remind that they should connect again with their mentee? Or even an evening event at the start of the student program where all past and present mentors/mentees get together?*
- *Nothing at this time*
- *It might be worthwhile for interested younger students to meet more frequently for shorter times throughout the conference.*

Please note any additional comments you would like to make regarding the PEARC23 Student-Mentor Program or the conference itself.

- *See prior comments on improvements. Thanks for offering a fun and successful program!*
- *This conference had packed lecture rooms.. A better planning as to how large a room may be needed would be useful.*
- *Was a great meeting and great student program*

Please indicate your race/ethnicity. Select all that apply.

	%	Count
American Indian or Alaska Native	0.0%	0
Asian	35.7%	5
Black or African-American	0.0%	0
Hispanic or Latinx	0.0%	0
Middle Eastern or North African	0.0%	0
Native Hawaiian or Other Pacific Islander	0.0%	0
White	50.0%	7
Prefer to self-describe:	7.1%	1
Prefer not to disclose	7.1%	1
Total	100%	14

Other (please specify):

- *American Sri Lankan*

Gender:

	%	Count
Male	78.6%	11
Female	14.3%	2
Non-binary	0.0%	0
Prefer to self-describe:	0.0%	0
Prefer not to disclose	7.1%	1
Total	100%	14

What is your job title or academic status? Please select the response that best describes your association with the Student-Mentor Program.

	%	Count
Instructor	0.0%	0
Assistant professor	0.0%	0
Associate professor	0.0%	0
Professor	14.3%	2
Public-sector/academic-industry professional	57.1%	8
Private-sector industry professional	7.1%	1
Prefer to self-describe:	21.4%	3
<b>Total</b>	<b>100%</b>	<b>14</b>

Other (please specify):

- *Professional faculty (research computing facilitator)*
- *Research staff*
- *Research Professor*

Do you work at a Minority-Serving Institution?

	%	Count
Yes	7.7%	1
No	92.3%	12
Unsure	0.0%	0
<b>Total</b>	<b>100%</b>	<b>13</b>

In your workplace, do you participate in programs to increase diversity and/or inclusion?

	%	Count
Yes	71.4%	10
No	21.4%	3
Unsure	7.1%	1
<b>Total</b>	<b>100%</b>	<b>14</b>

## PEARC23 Exhibitor Survey

Response rate: 78.1% (25/32)

Please let us know what organization you represent.

	%	Count
ACCESS	4.0%	1
AWS	4.0%	1
CASC	4.0%	1
Cambridge Computer	4.0%	1
Cornelis Networks	0.0%	0
DDN	4.0%	1
Dell	4.0%	1
Globus (University of Chicago)	4.0%	1
Google	0.0%	0
HPE/Qumulo	0.0%	0
Intel	4.0%	1
Internet2	4.0%	1
LANL	4.0%	1
Lenovo	4.0%	1
Link Oregon	0.0%	0
Microsoft	4.0%	1
Microway	4.0%	1
NCSA	4.0%	1
ORNL	4.0%	1
OnDemand (OSC)	4.0%	1
Other	16.0%	4
PIER Group	0.0%	0
PNNL	4.0%	1
Pittsburgh Computing Center	0.0%	0
Purdue University	4.0%	1
Sustainable Horizons Institute	0.0%	0
VAST	4.0%	1
WEKA	8.0%	2
Total	100%	25

Other:

- Carcc
- San Diego supercomputer center
- AMD
- Verge.IO

To what extent do you agree with the following statements regarding your experience as an exhibitor at the PEARC23 conference?

	Strongly disagree (1)		Disagree (2)		Neither agree nor disagree (3)		Agree (4)		Strongly agree (5)		Mean	Std Dev	Total
My expectations for exhibiting at PEARC23 were met.	0.0%	0	0.0%	0	4.0%	1	40.0%	10	56.0%	14	4.52	0.57	25
My organization's expectations for exhibiting at PEARC23 were met.	0.0%	0	0.0%	0	0.0%	0	40.0%	10	60.0%	15	4.60	0.49	25
The PEARC conference series attracts a significant number of attendees in my organization's target audience.	0.0%	0	4.0%	1	4.0%	1	36.0%	9	56.0%	14	4.44	0.75	25
I (or others representing my organization) engaged sufficiently with members of our target audience.	0.0%	0	4.0%	1	4.0%	1	44.0%	11	48.0%	12	4.36	0.74	25
My organization's investment in PEARC23 was worthwhile.	0.0%	0	0.0%	0	16.0%	4	24.0%	6	60.0%	15	4.44	0.75	25
My organization is interested in exhibiting at PEARC24.	0.0%	0	0.0%	0	12.0%	3	24.0%	6	64.0%	16	4.52	0.70	25
My organization would be interested in increasing its support level for PEARC24.	0.0%	0	8.0%	2	60.0%	15	20.0%	5	12.0%	3	3.36	0.79	25

Please share any insights that could help future conference organizers to improve the PEARC conference experience.

- *Quicker scheduling of rooms*
- *The exhibits space makes a big difference. Having nice wide hallways, wide ceilings and proximity to food and beverages at breaks is fantastic*
- *Worthwhile with multiple connections made for networking and collaborative opportunities.*
- *The PEARC App was spectacular. Having the ability to reach out to folks and invite them for lunch or dinner was very cool.*
- *We struggled a bit with the schedule being posted so late - it made it harder to get booth volunteers because folks didn't know their schedules. But that was about the only issue we had.*
- *Appreciate the larger venue compared to pearc22. Keep it up!*
- *We really enjoy participating in PEARC, it is a valuable conference for us to sponsor and attend. Each of our reps working the booth got quality time with many customers and/or potential customers. And we made connections with many that we haven't seen in awhile. Thanks for hosting it in the West Coast this year! (West Coast is the Best Coast lol)*
- *Our only complaint was with Fern. The signage that we ordered was not to the standard we expected and we our order was not complete making us search for missing signs.*
- *FedEx Pickup for shipping recruiting material*
- *Great conference again!*
- *Keep event in a conference space versus a hotel.*
- *I think it was very helpful. We had good traffic and appreciate being close to the afternoon snacks as this helped drive traffic to our booth.. the speed networking event was very helpful. I would expect there to be more than one of those next year as we barely managed to meet everyone in the time.*

What were the most valuable parts of PEARC23 for you as an exhibitor? Please select all that apply.

	%	Count
Technical Program	17.5%	10
Tutorials	10.5%	6
Poster Sessions	3.5%	2
Viz Showcase	3.5%	2
Student Program	14.0%	8
BoFs – Birds of a Feather	14.0%	8
Informal networking opportunities	35.1%	20
Other (please specify):	1.8%	1
<b>Total</b>	<b>100%</b>	<b>57</b>

Other (please specify):

[None]

When is the best time to contact you regarding exhibiting at PEARC24?

	%	Count
July – September 2023	25.00%	6
October – December 2023	29.17%	7
January – March 2024	37.50%	9
April – June 2024	8.33%	2
Do not contact; my organization is not interested in exhibiting at PEARC24.	0.00%	0
<b>Total</b>	<b>100%</b>	<b>24</b>

What would make supporting the PEARC Conference Series more valuable to your organization?

- *It was great*
- *Understanding the opportunities available to us as participants in the conferences. For example, knowing the details of the student program far enough in advance to plan to travel in for those periods. Also we were happy about the social media coverage but I didn't realize they might ask about what to post for us so there was a quick scramble to get the right info to share. I could have prepared that in advance if I had known. Overall for our first year it was a good experience. Some of the information provided was conflicting such as exhibitor hours, setup/tear down so it was hard to plan for. Double checking consistency and accuracy of information would be provided.*
- *More mixture of people, less technical. Fewer introverts*
- *It's already a priority!*
- *A session*

The PEARC Conference Steering Committee is interested in increasing exhibitor participation in and support for the PEARC Student Program. From your perspective, what would make participation in this program more valuable to your organization?

- *Similar to the comment above, a little more information posted further in advance that we could use for planning. The Student program was very impressive to watch and our HR team was interested in participating more.*
- *Rooms for vendors to schedule private meetings with target audience*
- *N/A - it's the most important conference we attend all year.*

Please share with us any additional comments you may have about PEARC23.

- *Great conference and love being in a convention center*
- *It was a good first time for NCSA as an individual unit. We will do a wrap up when we return and send any additional thoughts to the committee.*
- *Thank you for a great PEARC23 in Portland!*
- *Great job!*
- *This was our first year exhibiting, it worked out very well. A bit more room would be nice, but I will take location over space.*