



PEARC20 HackHPC Participants Overview

July 23, 2020

If you have not yet joined the Slack Channel, you are missing out!

<https://cloudhcpchack.slack.com/>



Hackathon in High Performance Computing

HackHPC.org

Presenter: Je'aime Powell

Organizers



Alex Nolte - *University of Tartu*
alexander.nolte@ut.ee



Boyd Wilson - *Omnibond*
boyd@omnibond.com



Amy Cannon - *Omnibond*
amycannon@omnibond.com



Je'aime Powell - *TACC*
jpowell@tacc.utexas.edu



Linda Hayden - *ECSU*
haydenl@mindspring.com



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Agenda

- Code of Ethics - Alex Nolte
- Judging Criteria - Alex Nolte
- Schedule (Brella) - Je'aime Powell
- Deliverables - Je'aime Powell
- Communications Channels - Je'aime Powell
- Introduction to Mentors - Je'aime Powell



Ethics and Judging Criteria



Presenter: Alex Nolte



[https://sciencegateways.org/engage/hackathon/
hackathon-code-of-conduct](https://sciencegateways.org/engage/hackathon/hackathon-code-of-conduct)

Everybody is welcome!



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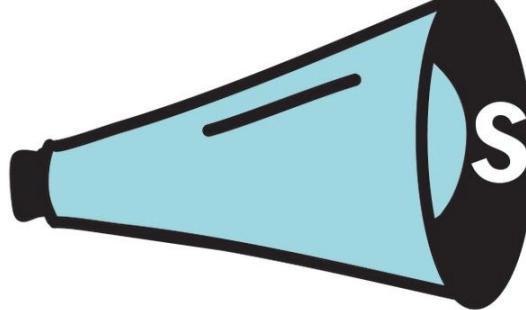


HARASSMENT



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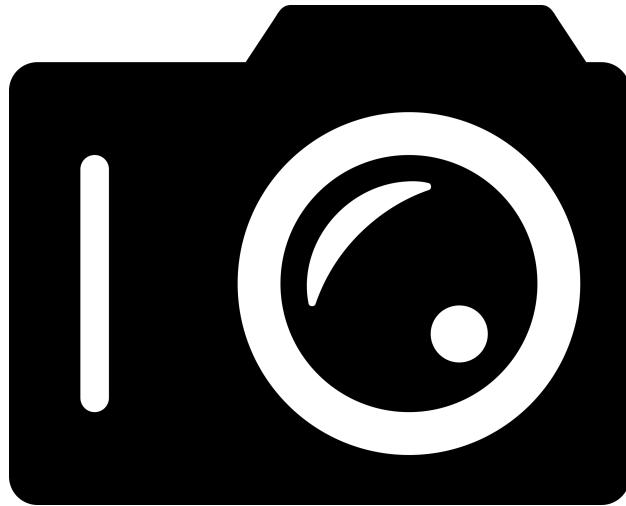


SPEAK UP



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... but not everywhere and at any time!



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Judging criteria



6 criteria with 100 points max. per judge



Viability / Usefulness



Does the project have a realistic chance to get continued / adopted by the gateway for which it was developed? Is it realistic to build it? (20 points)



Creativity of execution / Wow-effect



How creative is the execution of the project? Did the team come up with new use-cases, big opportunities or surprises?
Novelty elements. (20 points)



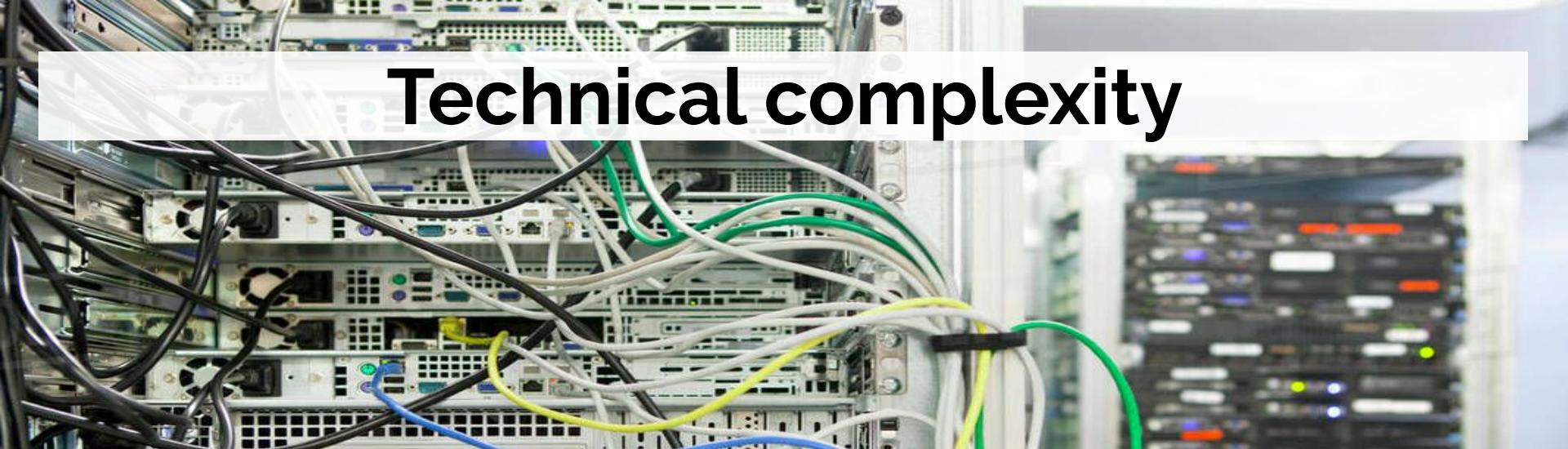
UX / Polish

A close-up photograph of a person's hand wearing a black glove, holding a blue microfiber cloth and polishing the hood of a dark-colored car. The car's surface is highly reflective, showing bright highlights and deep shadows. The background is blurred, suggesting a workshop or garage environment.

How is the design and user experience of the project? Is it easy to understand and use? Did the team put thought into the user experience? (10 points)



Technical complexity



How technically impressive was the hack? Was the technical problem the team tackled difficult? Did it use a particularly clever technique or did it use many different components? Did the technology involved make you go “Wow”? (20 points)



Collaboration



Did the team achieve everything they wanted? How well did the team collaborate? (20 points)



Presentation

A stylized illustration of a person with dark skin and short hair, wearing a teal blazer over a light blue shirt and dark pants, standing behind a teal podium. They have their arms raised in a gesture of presentation. The background consists of light pink and white geometric shapes.

Did the team present a functioning solution? Did the team stay within the time limit of their presentation? Was the team able to communicate their project and the value it has for the respective gateway? (10 points)



Challenge Completed



Does the solution provided by the team solve the posed challenge? (20 points)



Schedule

Event Site:

<https://jeaimehp.github.io/HackHPC-Pearc20/>



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Day	Time	Activities
Monday (7/27)	1:00p(EST)/12:00p(CT)/10:00a(PT)	<p>Kickoff Meeting</p> <ul style="list-style-type: none"> - Ethics - Schedule - Deliverables Overview - Active Hacking Picture (Individual) [Prize]
Monday (7/27)	6:00p(EST)/5:00p(CT)/3:00p(PT)	<ul style="list-style-type: none"> - Project Introductions and Goals by the teams [Prize] - Team Virtual Background Challenge [Prize]
Tuesday (7/28)	1:00p(EST)/12:00p(CT)/10:00a(PT)	<ul style="list-style-type: none"> - Status Checkpoint - Active Hacking Picture (Individual) [Prize]
Tuesday (7/28)	6:00p(EST)/5:00p(CT)/3:00p(PT)	<ul style="list-style-type: none"> - Status Checkpoint - TBD [Prize]
Wednesday (7/29)	6:00p(EST)/5:00p(CT)/3:00p(PT)	<p>Final Presentations</p> <ul style="list-style-type: none"> - People's Choice Award Opens
Thursday (7/30)	1:00p(EST)/12:00p(CT)/10:00a(PT)	Awards Ceremony



Connecting to Sessions



All Zoom sessions will have links provided by **Brella.io**

The screenshot shows the PEARC20 conference website. The left sidebar includes links for People, Schedule (highlighted in green), Stream, Speakers, Exhibitors, and More. The main content area displays the conference schedule for Monday and Tuesday. On Monday, there is a 12:00 PM session titled "Hackathon Kick-off Meeting" which is part of the "Hackathon" track. On Tuesday, there is a 12:00 PM session titled "Hackathon Check-in" which is also part of the "Hackathon" track. The right side of the interface includes filters for "Sessions & Meetings", "Sessions", "Meetings", and "Networking availability", along with a "Day" filter for specific dates. A "Tags / Tracks" section lists various categories like Application Software, Best Paper, Best Student Paper, MLAI, Advanced Research Computing Environments, and Workforce development. A red box highlights the "Join Zoom meeting [HERE](#)" link in the "DESCRIPTION" section of the Hackathon Kick-off Meeting.

12:00 PM - 02:00 PM • 2h 0min • Mon

Hackathon Kick-off Meeting

HACKATHON

SPEAKERS

DESCRIPTION

Join Zoom meeting [HERE](#)

Hackathon Schedule: <https://jeaimehp.github.io/HackHPC-Pearc20/>



Participating Mentors Introductions



- **Boyd Wilson - Omnidbond**
 - Take a gateway of choice and port it to the cloud using CloudyCluster (CC) or
 - JupyterLab Interface for WRF on CC
- **Sudhakar Pamidighantam - IU**
 - Create Workflows and Django plugins for post processing data
- **Joon Yee Chuah - TACC**
 - Repeatable example of how to aggregate data, generate a visualization using Dash or another visualization technology, and publish the data in an automated fashion



- **Je'aime Powell - TACC**
 - GCP-based Science Gateway Base



- **Charlie Dey - TACC**
 - Data interface and plotting for jupyter notebooks



- **Brandi Kuritz - TACC**



- **Christopher I. G. Lanclos - MVSU**



Deliverables

Posted to Slack PEARC20-General Channel before Presentations

Due Wednesday 7/29 by 6:00p(EST)/5:00p(CT)/3:00p(PT)

**If not posted 20pt automatic deduction from final judging score.*

Github Repository Link Posted to Slack #PEARC20-General Channel

- Source code
 - Including Comments
- PDF of presentation
 - Team members with pictures
 - Github Link
- README.md project description

Available Resources

- Google Compute Platform Credits
- CloudyCluster Access



Communications Channel



Slack Channel:

<https://cloudhcpchack.slack.com>

Twitter:

@ccloudhack

Website:

<http://hackhpc.org>



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Questions & Concerns

- Code of Ethics: <https://sciencegateways.org/engage/hackathon/hackathon-code-of-conduct>
- Hack HPC Site: <http://hackhpc.org>
- PEARC20 HackHPC Site: <https://jeaimehp.github.io/HackHPC-Pearc20>
- PEARC20 Conference Site: <https://pearc.acm.org/pearc20/>
- PEARC20 Zoom Session Links (Hackathon): <https://www.brella.io>
- SGCI URL: <http://sciencegateways.org/engage/hackathon>



The Hackathon Begins Next Week!

Monday July 27th @
1:00p(EST) / 12:00p(CT) / 10:00a(PT)

For more information join our Slack Channel:

<https://cloudhcpchack.slack.com/>



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