



# PEARC20 HackHPC Participants Overview

*July 23, 2020*

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

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



Hackathon in High Performance Computing

HackHPC.org

# Organizers



**Alex Nolte** - *University of Tartu*  
[alexander.nolte@ut.ee](mailto:alexander.nolte@ut.ee)



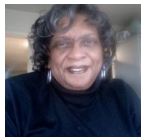
**Amy Cannon** - *Omnibond*  
[amycannon@omnibond.com](mailto:amycannon@omnibond.com)



**Boyd Wilson** - *Omnibond*  
[boyd@omnibond.com](mailto:boyd@omnibond.com)



**Je'aime Powell** - *TACC*  
[jpowell@tacc.utexas.edu](mailto:jpowell@tacc.utexas.edu)



**Linda Hayden** - *ECSU*  
[haydenl@mindspring.com](mailto:haydenl@mindspring.com)



# 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





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

# Everybody is welcome!





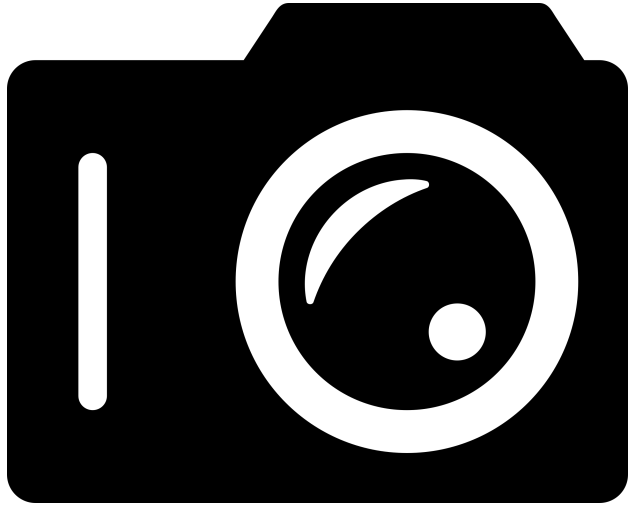


**HARASSMENT**









**... but not everywhere and at any time!**



# 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

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

An illustration of a person with brown hair, wearing a teal blazer over a light blue shirt and dark teal pants, standing behind a teal podium. The person has their arms outstretched in a presentation gesture. The background is a light pinkish-red with abstract geometric shapes. There are also some white and teal speech bubble-like shapes floating around.

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/>

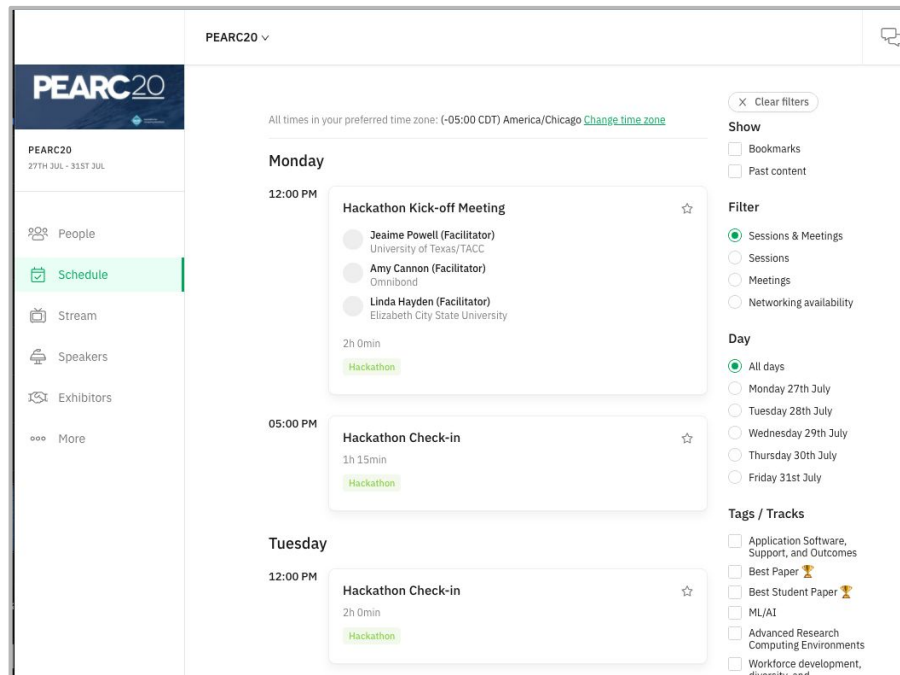


Day	Time	Activities
Monday (7/27)	1:00p(EST)/12:00p(CT)/10:00a(PT)	<b>Kickoff Meeting</b> <ul style="list-style-type: none"> <li>- Ethics</li> <li>- Schedule</li> <li>- Deliverables Overview</li> <li>- Active Hacking Picture (Individual) [Prize]</li> </ul>
Monday (7/27)	6:00p(EST)/5:00p(CT)/3:00p(PT)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



# Connecting to Sessions

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



The screenshot shows the PEARC20 event page on Brella.io. The page is titled "PEARC20" and shows the dates "27TH JUL - 31ST JUL". The left sidebar contains navigation links: "People", "Schedule" (highlighted), "Stream", "Speakers", "Exhibitors", and "More". The main content area displays the event schedule for Monday and Tuesday. On Monday, there is a "Hackathon Kick-off Meeting" at 12:00 PM (2h 0min) and a "Hackathon Check-in" at 05:00 PM (1h 15min). On Tuesday, there is a "Hackathon Check-in" at 12:00 PM (2h 0min). The right sidebar contains filters and tags. The "Show" section has checkboxes for "Bookmarks" and "Past content". The "Filter" section has radio buttons for "Sessions & Meetings" (selected), "Sessions", "Meetings", and "Networking availability". The "Day" section has radio buttons for "All days" (selected), "Monday 27th July", "Tuesday 28th July", "Wednesday 29th July", "Thursday 30th July", and "Friday 31st July". The "Tags / Tracks" section has checkboxes for "Application Software, Support, and Outcomes", "Best Paper", "Best Student Paper", "ML/AI", "Advanced Research Computing Environments", and "Workforce development".



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# Participating Mentors Introductions



- **Boyd Wilson** - *Omnibond*
  - 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://cloudhpchack.slack.com>



## **Twitter:**

@ccloudhack

## **Website:**

<http://hackhpc.org>



# 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://cloudhpchack.slack.com/>

