



2020 HackHPC Mentor Overview

July 21, 2020

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

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



Presenter: Je'aime Powell

Organizers



Alex Nolte - *University of Tartu*
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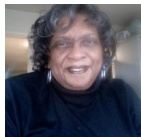
Boyd Wilson - *Omnibond*
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Amy Cannon - *Omnibond*
amycannon@omnibond.com



Je'aime Powell - *TACC*
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Linda Hayden - *ECSU*
haydenl@mindspring.com



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*



Connecting to Sessions

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

The screenshot displays the PEARC20 event schedule. The event is titled "PEARC20" and runs from "27TH JUL - 31ST JUL". The interface shows a sidebar with navigation options: People, Schedule (highlighted), Stream, Speakers, Exhibitors, and More. The main content area shows sessions for Monday and Tuesday. The time zone is set to "All times in your preferred time zone: (-05:00 CDT) America/Chicago".

Monday

- 12:00 PM**
 - Hackathon Kick-off Meeting** (2h 0min)
 - Jeaimé Powell (Facilitator) - University of Texas/TACC
 - Amy Cannon (Facilitator) - Omnibond
 - Linda Hayden (Facilitator) - Elizabeth City State University
- 05:00 PM**
 - Hackathon Check-in** (1h 15min)

Tuesday

- 12:00 PM**
 - Hackathon Check-in** (2h 0min)

Filtering Options:

- Show:** Bookmarks, Past content
- Filter:** Sessions & Meetings, Sessions, Meetings, Networking availability
- Day:** All days, Monday 27th July, Tuesday 28th July, Wednesday 29th July, Thursday 30th July, Friday 31st July
- Tags / Tracks:** Application Software, Support, and Outcomes, Best Paper, Best Student Paper, ML/AI, Advanced Research Computing Environments, Workforce development.



Hackathon Judging Criteria

Deliverables:

(Posted to Group GitHub Repository)

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

Scored Areas:

- Viability / Usefulness (20 pts.)
- Creativity of execution (20 pts.)
- UX / Polish (10 pts.)
- Technical complexity (20 pts.)
- Collaboration (20 pts.)
- Presentation (10 pts.)
- Challenge Completed (20 pts.)



Mentoring Tips - You are the key!

- This is first and foremost a learning opportunity for students!
- Keep the project simple. Making it more complex is easy.
- Help students scope their own projects within the given frame / gateway.
- Be mindful of their time. Students might want to participate in other activities during the conference as well.
- Try to understand the student's (technical) capabilities early.
- Don't become project owner. Guide them but don't take over. It's ok when they struggle a bit.
- Help students to find solutions to (technical) problems but don't just give them away.
- Set up means of communication (e.g. through Slack).



Mentor Needs for Monday 27th

- 1-Slide with brief description of proposed project
- PEARC Registration (*Brella will block you if you are not registered*)
- Rough availability times for your team
- **MAKE SURE YOUR TEAM HAS A METHOD OF COMMUNICATION!!!!**

Available Resources

- Google Compute Platform Credits
- CloudyCluster Access



Questions & Concerns

- 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>



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/>

