

# **HUST Workshop 2021**

## **HPC User Support Tools**

Elsa Gonsiorowski, LLNL

Karen Tomko, Ohio Supercomputing Center

Chris Bording, The University of Western Australia

November 19, 2021

# Program Committee

- David Bernholdt, Oak Ridge National Laboratory, USA
- Lev Gorenstein, Purdue University, USA
- Jane Herriman, Lawrence Livermore National Laboratory, USA
- Christopher Harris, Pawsey Supercomputing Center, Australia
- Mozhgan Kabiri-Chimeh, NVIDIA, United Kingdom
- Paul Kolano, NASA, USA
- Kevin Manalo, PACE, Georgia Institute of Technology, USA
- Robert McLay, TACC, USA
- Todd Raeker, University of Michigan, USA
- Abhinav Thota, Indiana University, USA

# Community Participation

[hust-workshop.github.io](https://hust-workshop.github.io)



Survey



Slack

# HUST 21 Submissions

- Accepted 5 out of 5 submissions (2 shepherded papers)
- Publication through Zenodo

<https://zenodo.org/communities/hust-2021/>

# Schedule

Time	Item
8:30 am	<i>Introduction</i>
8:45 am	Energy-based Accounting Model for Heterogeneous Supercomputers
9:15 am	Efficient Software for Archiving and Retrieving Results of Massive Bioinformatics Analyses in HPC Environments
9:45 am	<i>HUST Community Discussion</i>
10:00 am	<b>Morning Coffee Break</b>
10:30 am	Science Gateway Integration Examples with the Custos Security Service
11:00 am	A Dynamic, Multi-Protocol Data Storage Integration Framework for Multi-Tenanted Science Gateway Middleware
11:30 am	LogAn: HPC System Log Anomaly Detection Tool
12:00 pm	<i>Conclusion</i>

# Workshop Format

- Paper talks are ~25 minutes, with 5 minutes for Q&A
- Discussions are encouraged to take place in the designated Slack channels
- We invite attendees to unmute themselves and participate in the Zoom, the session is being recorded

- We've had very limited submissions (especially in the last 2 years)
- We would like to encourage community participation
  - Short papers and/or lightning talks submissions
- Ongoing conversation in Slack
  - Call for papers
  - Advertising for projects

# Coffee Break

Please join us again at 10:30 CT

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SC21 Evaluation



# Thank You!

Thank you for your participation, especially at the end of a long week!  
Please keep up the discussions and let us know how we can make this workshop better next year.

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SC21 Evaluation