

# Track 1 – Hardware Architectures:

Lead: Vitali Morozov (morozov@anl.gov)

- 8:30AM Frontier Exascale Architecture – AMD MI250x and HPE Slingshot  
Tom Papatheodore, ORNL
- 9:10AM Aurora Exascale Architecture – Intel Data Center GPU Max Series, DAOS and HPE Slingshot  
Servesh Muralidharan, ALCF
- 9:50AM NVIDIA H100 and Grace Hopper Architecture  
Giri Chukkapalli, NVIDIA
- 10:30AM Break
- 11:00AM Advancing Scientific Machine Learning with AI Accelerators in ALCF AI Testbed  
Murali Emani, ALCF
- 11:45AM Introduction on DataFlow Architectures and Trends  
Jose Monsalve Diaz, Sid Raskar, ALCF
- 12:30PM Lunch
- 1:30PM The Next Hardware Revolution is Software  
Kelly Marquardt, Next Silicon
- 2:00PM Quantum Computing Trends  
Yuri Alexeev, ANL
- 2:30PM Q&A
- 3:00PM Break



# Questions and Answers Session at 2:30 pm

[ALCF-Workshops.slack.com](https://alcf-workshops.slack.com)

Channel #atpesc-2023-track-1-hw

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