The Convergence of High Performance Computing, Big Data, and Machine Learning
Natcher Conference Center, National Institutes of Health, Bethesda, MD
October 29-30, 2018

Agenda

Day One: Balcony A

8:15 Welcome and Introductions
  - Opening Remarks: Lynne Parker, OSTP
  - Keynote – Jim Kurose, NSF

9:00 Session I: Current Landscape/Use Cases/Applications
  - Moderator: Susan Gregurick, NIH
  - Panelists: Pete Beckman, ANL; Tony Hey, STFC, UK; Warren Kibbe, Duke; Jeff Schneider, Uber

11:30 Lunch

12:30 Session II: Software Challenges and Opportunities
  - Moderators: Chaitan Baru, UCSD; Randy Bryant, CMU
  - Panelists: Alex Aiken, Stanford; Fabrizio Petrini, Intel; Raghu Ramakrishnan, Microsoft; Fred Streitz, LLNL

1:50 Session III: Hardware Challenges and Opportunities
  - Moderator: Barry Schneider, NIST
  - Panelists: Bill Kramer, UIUC; Karl Schultz, UT Austin; Arjun Shankar, ORNL; Rick Stevens, ANL; Rangan Sukumar, Cray

3:10 Break

3:30 Session IV: Modes of Operation Challenges and Opportunities
  - Moderators: Laura Biven, DOE; Sandy Landsberg, DoD
  - Panelists: Debbie Bard, NERSC; Fernanda Foerter, NVIDIA; Ian Foster, ANL; Sanjay Padhi, Amazon; Dan Stanzione, UT Austin

4:50 Wrap up Day #1
Day Two: Room E1-E2

8:30 Welcome and Introduction to Break-outs

8:45 Breakout Round #1
- Room A: Modes of Operation, Breakout Lead, Robert Hanisch, NIST
- Room B: Software, Breakout Lead, TBD
- Room J: Hardware, Breakout Lead, William Gropp, UIUC

9:45 Break

10:00 Breakout Round #2
- Room A: Modes of Operation, Breakout Lead, Robert Hanisch,
- Room B: Software, Breakout Lead, TBD
- Room J: Hardware, Breakout Lead, William Gropp

11:00 Break

11:15 Session V: Report out and Introspection (Room E1-E2)
- Moderator: Kamie Roberts, NITRD
- Panelists: Randy Bryant/Chaitan Baru, Laura Biven/Sandy Landsberg, Tony Hey, Barry Schneider

12:00 PM Closing remarks