EE HPC WG Workshop Introduction
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EE HPC WG Co-Leads Conferences,

9th Annual EE HPC WG Workshop, SC18 Dallas, Texas
https://eehpcwg.llnl.gov/pages/conf_sc18a.htm
Thanks

Thanks to all:

• Workshop organizers, Speakers, Booth organizers and sponsors, Booth volunteers

• Audience

Workshop committee members:
Dale Sartor; Grant, David R.; James Laros; Josip Loncaric; Daniel Hackenberg; Nagappan, Ramkumar; Steve Martin; Fumiyoshi Shoji; Toshio Endo; Gert Svensson; Anna Maria Bailey; Martinez, David J; Hick, Jason Cody; Huber, Herbert; Jana, Siddhartha; Natalie Bates; Torsten Wilde
Workshop Agenda

• 9:00 Opening Remarks, Introductions, Agenda Review
• 9:15 Keynote Satoshi Matsuoka (RIKEN)
  – Green Computing Involves a lot of Innovations but also a lot of Sweat
• 10:00 Morning Break
• 10:30 State of the WG
  – Team reports – details on current activities from each sub-team
  – SC Primer – what else to do... BoF, Panels
  – Industry Links, Activities, and Collaboration
• 11:15 The Power Grid
  – HPC Power Increasingly Challenges the Power Grid
  – Electrical Utility Interface - Protections and Challenges
  – Forecasting Extreme Site Power Fluctuations Using Fast Fourier Transformation
• 12:00 Thermosiphon
• 12:30 Lunch
• 14:00 Machine installation
  – ORNL
  – LRZ
  – Sandia
• 15:00 Afternoon Break
• 15:30 Quantum Computing and Impacts on Facility Planning
• 15:50 Challenges in holistic monitoring and data integration
  – LLNL
  – Berkley Labs
  – University of Bologna/CINECA
• 16:50 Panel discussion Software for energy efficiency
  – Panelists: PowerStack, PowerAPI, READEX, GEOPM, QU/Cray
• 17:25 Closing Remarks
• 17:30 Adjourn
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