



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

EEHPCWG Booth #3947

