



Agenda
53rd HPC User Forum
RIKEN, Kobe Japan
Wednesday, July 16, 2014
Hosted by AICS



- 8:30am Registration starts in the lobby**
- 9:00am Meeting Welcome and Announcements**
- Riken welcome, Kimihiko Hirao, AICS
 - HPC User Forum Introduction and Welcome, Earl Joseph
 - HPC Market Overview and a New Japanese Panel, Earl Joseph and Steve Conway
- Morning Session Leader: Paul Muzio
- 9:30am RIKEN Overview, Akira Ukawa, AICS**
- 10:00am New Uses of HPC and Supercomputers (20 minute updates)**
- This session will focus on new or expanding areas for applying HPC technologies and systems to address important issues to society, industry and research.**
- Introduction by Steve Conway on a mix of new use case examples coming from the merging of big data and HPCD aka HPDA
 - HPC Update, Kozo Fujii, JAXA
 - The Growth of HPC Industrial Partnerships in the U.S. and Europe, Merle Giles, National Center for Supercomputing Applications
 - 15 minute break
 - Big Data Assimilation for Revolutionizing Weather Prediction, Takemasa Miyoshi, RIKEN AICS
 - The Expansion of CFD in the Aerospace Industry, Doug Ball, Boeing
 - New Directions in Large Scale Computing and Big Data from a US National Perspective, Dimitri Kusnezov, US Department of Energy
- 12:30pm Lunch**
- Afternoon Session Leader: Doug Ball
- 1:30pm Updates from HPC and the New Supercomputer Centers (20 minute updates)**
- Earth Simulator and the New Center at JAMSTEC, Makoto Tsukakoshi, JAMSTEC
 - HPC Use in Korea, Jysoo Lee, National Institute of Supercomputing & Networking
 - Update on HPC in Poland, Marek Niezgodka, ICM/University of Warsaw
 - Designing for Urban Resiliency in an Era of Climate Change, Paul Muzio, City University of New York
- 3:30pm Fujitsu Technology Update**
- 3:45pm Break and Tour of the K Computer / Visitor's hall for K computer / Group Photo**
- 4:30pm New and Disruptive Technologies: Brief Updates**
- Vendors will briefly (5 minutes) present future technologies that could make major changes to the HPC market.
- Earl Joseph will summarize the April disruptive panel including quantum computing
 - Invited vendors: Fujitsu, NEC, DDN, Panasas, etc.
- 5:00pm Challenges towards Post-Peta/Exascale Computing at Information Technology Center, the University of Tokyo, Kengo Nakajima, the University of Tokyo**
- 5:30pm New Benchmark Directions, Robert Meisner, US Department of Energy**
- 6:00pm Meeting Summary and Wrap Up**
- 6:05pm Networking time and Time for 1-on-1 Meetings**

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