



Exascale Computing Project Industry Council

**April 17-18, 2018
Oak Ridge National Laboratory (ORNL)
Conference Center: Tennessee A**

Meeting Agenda

Note that this agenda is designed to be highly interactive with discussion on each topic. More time can be spent on certain areas if discussion warrants.

Tuesday, April 17, 2018

- 5:15 p.m. Bus Departs ORNL Guest House for the Spallation Neutron Source (SNS)**
(Badges will be distributed at SNS.)
- 5:30 p.m. Tour SNS**
SNS provides the most intense, pulsed accelerator-based neutron beams in the world for scientific research and industrial development.
*Garrett E. Granroth, Group Leader, Neutron Data Sciences
Neutron Scattering Division, ORNL*
- 6:15 p.m. Beginning at 6:15, the bus will make periodic trips between the ORNL Guest House and SNS until 7:15 p.m. for those who could not participate in the SNS tour but want to attend the reception/dinner.**
(ORNL visitor badges will be distributed at SNS.)
- 6:15 p.m. ECP Industry Council Reception**
- 6:45 p.m. ECP Industry Council Working Dinner**
Overview of Oak Ridge Leadership Computing Facility (OLCF) and Tour.
Jack Wells, Director of Science, Oak Ridge Leadership Computing Facility
- 7:45 p.m. Bus Departs Spallation Neutron Source for OLCF**
- 8:00 p.m. Tour OLCF Data Center to See Titan and Summit Supercomputers**
Jack Wells, Director of Science, Oak Ridge Leadership Computing Facility
- 8:30 p.m. Bus Returns to ORNL Guest House**



Wednesday, April 18, 2018

- 7:45 a.m. Bus Departs ORNL Guest House for Conference Center**
Take shuttle bus to ORNL Conference Center. Any Industry Council member who did not attend the dinner and receive a visitor's badge will receive one at the meeting room.
- 8:00 a.m. Working Breakfast**
Host welcome, safety talk, agenda review, goals for the day.
Suzy Tichenor, Co-Executive Director, ECP Industry Council
David Martin, Co-Executive Director, ECP Industry Council

ECP Federal Perspective

Dan Hoag, Federal Project Director, DOE Oak Ridge National Laboratory Site Office
- 8:45 a.m. Welcome from the Chair**
Chair transition from Michael McQuade to Dave Kepczynski.

Michael McQuade, Outgoing ECP Industry Council Chair
Dave Kepczynski, Incoming ECP Industry Council Chair
- 9:00 a.m. U.S. Exascale Computing Project: Director's Update**
Update on DOE budget and ECP timeline.

Doug Kothe, Director, Exascale Computing Project
- 9:30 a.m. Applications Development Focus Area Update**
Major accomplishments since our last Industry Council call in January; outlook on major milestones and deliverables.

Andrew Siegel, Director, ECP Application Development
- 10:00 a.m. Break**
- 10:15 a.m. Moderated Panel**
Driving toward exascale: What industry, ISVs, and their customers are doing to prepare for exascale technology.

Mark Meili, Procter & Gamble
Dipankar Choudhury, Ansys, Incorporated
Frank Ham, Cascade Technologies, Incorporated
Sam Mahalingam, Altair Engineering, Incorporated



- 11:15 a.m. ECP Training and Workforce Development**
ECP training program and how to get connected.
Ashley Barker, Principal Investigator, ECP Training and Productivity
- 11:30 a.m. Hardware and Integration Focus Area Update**
Major accomplishments since our last Industry Council call in January; outlook on major milestones and deliverables.
Susan Coghlan, Deputy Director, ECP Hardware & Integration
- 12:00 p.m. Working Lunch**
Oak Ridge National Laboratory: Delivering Breakthrough Science for National Security and Economic Competitiveness.
Michelle Buchanan, Deputy Laboratory Director for Science and Technology
- 12:45 p.m. Break and Group Photo**
- 1:00 p.m. Software Technology Focus Area Update**
Major accomplishments since our last Industry Council call in January; outlook on major milestones and deliverables.
Michael Heroux, Director, ECP Software Technology
- 1:30 p.m. ECP Project Management**
- ECP Project Management’s use of tools to assess progress – merging traditional earned value management tools with Agile software management tools.
 - Update on ECP Dashboard progress.
 - Independent Review scheduled for August 7-8 – to be chaired by Robert Wunderlich – suggestions for reviewers from IC welcome.
- Kathlyn Boudwin, Director, ECP Project Management*
- 2:15 p.m. Engaging Industry Communities**
Report on specially organized workshop between ECP leadership and oil and gas industry technical leaders at the Rice HPC Oil and Gas Conference. What did we learn about O&G requirements? Can/should we duplicate this format across other industry sectors?
David Martin, Co-Executive Director, ECP Industry Council
Suzy Tichenor, Co-Executive Director, ECP Industry Council
- 2:30 p.m. Member Roundtable Discussion**



- 3:00 p.m. Next Steps/Closing Remarks**
- 3:15 p.m. Adjourn**
Quick break, walk to bus for airport.
- 3:30 p.m. Bus Departs for Knoxville Airport**