



Los Alamos National Laboratory (LANL) Participation at SC14. LANL staff are listed with their events - see the SC14 program for a complete list of authors and presenters.

HPC INTERCONNECTIONS (BE, UNDERGRADUATES, CLUSTER)

BE Mentor/Protege Session & Mixer

Monday, 11/17, 1:30PM-3:30PM, Room 288-89

Christine Sweeney (LANL), et al.

VISUALIZATION & DATA ANALYTICS SHOWCASE

In Situ MPAS-Ocean Image-Based Visualization

Wednesday, 11/19, 10:30AM-12:00PM, Room 386-87

James Ahrens (LANL), John Patchett (LANL), David Rogers (LANL), Patricia Fasel (LANL), Mark Petersen (LANL), et al.

PANELS

Challenges with Liquid Cooling-a Look Into The Future of HPC Data Centers

Thursday, 11/20, 3:30PM-5:00PM, Room 383-84-85

Josip Loncaric (LANL), et al.

Multi-System Supercomputer Procurements – Is It a Good Idea?

Thursday, 11/20, 10:30AM-12:00PM, Room 383-84-85

Manuel Vigil (LANL), et al.

BIRDS OF A FEATHER

Design, Commissioning and Controls for Liquid Cooling Infrastructure

Tuesday, 11/18, 5:30PM-7:00PM, Room 383-84-85

Josip Loncaric (LANL), et al.

Operating System and Run-Time for Exascale

Tuesday, 11/18, 12:15PM-1:15PM, Room 391-92

Michael Lang (LANL), et al.

PROBE-1500 New Machines for Systems Research

Tuesday, 11/18, 5:30PM-7:00PM, Room 396

Michael Lang (LANL), et al.

Codesign for the Department of Energy's Computational Science Community

Wednesday, 11/19, 5:30PM-7:00PM, Room 292

Allen McPherson (LANL), et al.

OpenSHMEM: Further Developing the SHMEM Standard for the HPC Community

Wednesday, 11/19, 5:30PM-7:00PM, Room 294

Jeffrey Kuehn (LANL), et al.

Monitoring Large-Scale HPC Systems: Issues and Approaches

Wednesday, 11/19, 5:30PM-7:00PM, Room 297

Michael Mason (LANL), et al.

Programmable Storage Systems

Wednesday, 11/19, 5:30PM-7:00PM, Room 398-99

Pat McCormick (LANL), et al.



Scinet Commodity Team

Monday, 11/10 - Saturday, 11/23

Parks Fields (LANL), Ryan Braithwaite (LANL), Dave Modl (LANL), et al.

PAPERS

Correctness Field Testing of Production and Decommissioned High Performance Computing Platforms at Los Alamos National Laboratory

Wednesday, 11/19, 2:30PM-3:00PM, Room 393-94-95

[Sarah E. Michalak \(LANL\)](#), [William N. Rust \(LANL\)](#), [John T. Daly \(LANL\)](#), [Andrew J. DuBois \(LANL\)](#), [David H. DuBois \(LANL\)](#)

An Image-Based Approach to Extreme Scale In Situ Visualization and Analysis

Wednesday, 11/19, 11:30AM-12:00PM, Room 391-92

[James Ahrens \(LANL\)](#), [Sebastien Jourdain](#), [Patrick O'Leary](#), [John Patchett \(LANL\)](#), [David Rogers \(LANL\)](#), [Mark Petersen \(LANL\)](#)

POSTERS

I/O Monitoring in a Hadoop Cluster

Tuesday, 11/18, 5:15PM-7:00PM, New Orleans Theater Lobby

[Carson L. Wiens\(LANL\)](#), [Joshua M. C. Long \(LANL\)](#), [Joel R. Ornstein \(LANL\)](#)

Fault Injection, Detection, and Correction in CLAMR Using F-SEFI

Tuesday, 11/18, 5:15PM-7:00PM, New Orleans Theater Lobby

[Nathan DeBardeleben \(LANL\)](#), [Qiang Guan \(LANL\)](#), et al.

EXHIBIT BOOTHS

How energy efficient HPC working group may benefit HPC professionals

Energy Efficient HPC Working Group, Booth 3716 — [Josip Loncaric \(LANL\)](#)

Ultra-scale Systems Research Center (USRC) video posters

UNM/PRObE, Booth 739 — [Michael Lang \(LANL\)](#)

Department of Energy Booth Demos and Displays

U.S. Department of Energy, Booth 1939 — [Parks Fields \(LANL\)](#), [Dave Modl \(LANL\)](#), [Ryan Braithwaite \(LANL\)](#)

TUTORIALS

Practical Fault Tolerance on Today's Supercomputing Systems

Sunday, 11/16, 1:30PM-5:00PM, Room 388 — [Nathan DeBardeleben \(LANL\)](#), et al.

Large Scale Visualization with ParaView

Sunday, 11/16, 8:30AM-5:00PM, Room 389 — [Ollie Lo \(LANL\)](#), et al.

In Situ Data Analysis and Visualization with ParaView Catalyst

Monday, 11/17, 8:30AM-12:00PM, Room 394 — [David H. Rogers \(LANL\)](#), et al.

WORKSHOPS

E2SC: Energy Efficient Supercomputing

Sunday, 11/16, 9:00AM-5:30PM, Room 291 — [Michael Lang \(LANL\)](#), [Scott Pakin \(LANL\)](#), et al.

DISCS-2014: International Workshop on Data Intensive Scalable Computing Systems

Sunday, 11/16, 9:00AM-5:30PM, Room 298-99 — [Michael Lang, session chair \(LANL\)](#)

MTAGS 2014: 7th Workshop on Many-Task Computing on Clouds, Grids, and Supercomputers

Sunday, 11/16, 9:00AM-5:30PM, Room 295 — [Michael Lang, session chair \(LANL\)](#)

5th Annual Energy Efficient HPC Working Group Workshop

Monday, 11/17, 9:00AM-5:30PM, Room 271-72 — [Josip Loncaric \(LANL\)](#), et al.

Co-HPC: Hardware-Software Co-Design for High Performance Computing

Monday, 11/17, 9:00AM-5:30PM, Room 273 — [Allen McPherson \(LANL\)](#), et al.

LLVM-HPC: LLVM Compiler Infrastructure in HPC

Monday, 11/17, 9:00AM-5:30PM, Room 292 — [Eric Anger \(LANL\)](#), [Scott Pakin \(LANL\)](#), [Patrick McCormick \(LANL\)](#), et al.

HUST14: First International Workshop on HPC User Support Tools

Friday, 11/21, 8:30AM-12:00PM, Room 297 — [Scott Pakin \(LANL\)](#), et al.

Contact Us

sc14@lanl.gov



Linked  CheckIn



<http://bit.ly/SC14LANL>