

2015 DOE Computer Graphics Forum Newport RI, Apr 27 - 30

Site Chair: Sam Fulcomer, Brown
Program Chair: Nathan Fabian, SNL-NM

Monday, Apr 27

Arrival and Hotel Check-in
7:30 pm *Reception with Fajita Station and Cheese Board*

Tuesday, Apr 28

8:00 am *Breakfast and Registration at Meeting Room*

9:00 am **Keynote**
9:00 am Keynote Lucy Nowell

10:00 am *Break*

10:30 am **Site Reports**
10:30 am ANL Joe Insley
10:45 am INL Eric Whiting
11:00 am LANL John Patchett
11:15 am LBNL David Camp
11:30 am LLNL Rich Cook
11:45 am NAVY Sean Ziegeler

12:00 pm *Plated Lunch*

1:00 pm **Site Reports**
1:00 pm NCSA Rob Sisneros
1:13 pm NREL Kenny Gruchalla
1:26 pm ORNL Dave Pugmire
1:39 pm SNL Jeff Mauldin
1:52 pm WPAFB Rhonda Vickery
2:05 pm NCAR John Clyne
2:18 pm UO Hank Childs

2:30 pm **Software Updates**
2:30 pm VisIt Eric Brugger
2:45 pm ParaView Ken Moreland

3:00 pm *Break*

3:30 pm ADIOS Dave Pugmire
3:45 pm V13 Joe Insley
4:00 pm VTK-m Ken Moreland
4:15 pm GraviT Hank Childs

4:30 pm **Research Session 1**
4:30 pm Burst Buffers Activities at LANL John Patchett
5:00 pm Performance Modeling for Visualization Jeremy Meredith
Algorithms

7:30 pm *Dinner at White Horse Tavern, <http://www.whitehorsenewport.com>*
8:30 pm *“Welcome to Newport” Anita Rafael <http://newportonfoot.blogspot.com>*

Wednesday, Apr 29

8:00 am *Breakfast at Meeting Room*

9:00 am **Research Session 2**

9:00 am Contextual Compression of Large-Scale Wind Turbine Array Simulations Nicholas Brunhart-Lupo
9:30 am Wavelet Enabled Progressive Data Access and Storage Protocol John Clyne

10:00 am *Break*

10:30 am **Research Session 3**

10:30 am Studying Portable Performance and Rendering with Data Parallel Primitives Hank Childs
11:00 am Portable Data-Parallel Algorithms for Scientific Applications Christopher Sewell
11:30 am Good Vibes as a Vertical Integrator & A Tech Report on In Situ Eddy Finding Jon Woodring

12:00 pm *Plated Lunch*

1:00 pm **Industry Participation**

1:00 pm VTK and Catalyst Dave DeMarle & Utkarsh Ayachit
1:30 pm In Situ with VisIT, LibSim and FieldView Brad Whitlock
2:00 pm Knights Landing and Rendering Jim Jeffers

3:00 pm *Break*

3:30 pm **Research Session 4**

3:30 pm Parallel I/O for In-situ Visualization Extractions in Catalyst Sean Ziegeler
4:00 pm Particle Advection Performance Over Varied Architectures and Workloads David Camp
4:30 pm CAVE-like "YURT" (YURT Ultimate Reality Theater) Sam Fulcomer

5:00 pm **Special Session**

5:00 pm LDAH and IEEE Vis Applications track: Opinions, thoughts & future Jon Woodring

Thursday, Apr 30

8:00 am *Breakfast at Meeting Room*

9:00 am **Research Session 5**

9:00 am Improved Post Hoc Flow Analysis Via Lagrangian Representation Hank Childs
9:30 am Large-Scale Parallel Visualization of Particle-Based Simulations in v13 Silvio Rizzi
10:00 am A Simple Case Study using Catalyst/Sierra At Sandia Labs: Taylor Anvil Experiment Jeff Mauldin

10:30 am *Break*

11:00 am **Panel**

11:00 am Industry Participation Ken Moreland

12:00 pm *Boxed Lunch*