

DOE High Performance Computing Operational Review (HPCOR) on Scientific Software Architecture for Portability and Performance

September 15-17, 2015 Agenda

Tuesday, September 15, 2015		
7:00am - 8:00am	Continental Breakfast and Registration	General Sessions Room (Salon DE)
8:00am - 8:40am	Welcome, Charge Discussion, and Where We Are	Katherine Riley Argonne National Laboratory
8:40am - 9:25am	Plenary: Real Life Experience 1	David Dixon The University of Alabama
9:25am - 10:10am	Plenary: Real Life Experience 2	Adam Kunen Lawrence Livermore National Laboratory
10:10am - 10:30am	Break	
10:30am - 11:15am	Plenary: Real Life Experience 3	James Phillips University of Illinois at Urbana-Champaign
11:15am - 11:30am	Comments from ASCR & NNSA on efforts on Performance Portability	Barbara Helland U.S. Department of Energy Thuc Hoang National Nuclear Security Administration
11:30am - 12:00pm	Discussion	
12:00am - 1:00pm	Working Lunch: Extreme-scale Software Productivity, Engineering and Methodologies	Mike Heroux (Sandia National Laboratories) Lois Curfman McInnes (Argonne National Laboratory) ASCR Co-Leads IDEAS Project
1:00pm - 2:30pm	Breakouts	
	Breakout 1: Applications Architecture <ul style="list-style-type: none"> • Data Structures/Data Movement • Parallelism/Abstractions • Frameworks 	Leads: Katie Antypas and Tjerk Straatsma Room: Salon DE (General Sessions)
	Breakout 2: Tools and Libraries <ul style="list-style-type: none"> • Current state of library use at facilities and why • Libraries • Tools • Frameworks 	Leads: Richard Gerber and Scott Futral Room: Salon AB
	Breakout 3: Software Engineering <ul style="list-style-type: none"> • Software Engineering practices • Advance applications with a lot of inertia • Advance applications to new programming model 	Leads: Tim Williams and Joel Stevenson Lakeside Ballroom
2:30pm - 3:00pm	Break	
3:00pm - 4:30pm	Breakouts Continued	
4:30pm - 5:30pm	Plenary: Review of the day – no slides <ul style="list-style-type: none"> • Breakout 1 – Quick Summary – 10 mins • Breakout 2 – Quick Summary – 10 mins • Breakout 3 – Quick Summary – 10 mins • Global Sync Up and Q/A – 15 mins 	General Sessions Room (Salon DE)

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Wednesday, September 16, 2015		
7:30am - 8:30am	Continental Breakfast and Registration	General Sessions Room (Salon DE)
8:30am - 9:10am	Plenary : Description of Breakouts <ul style="list-style-type: none"> • Breakout 1 – 3 (10 min each) 	General Sessions Room (Salon DE)
9:10am - 10:00am	Breakouts <ul style="list-style-type: none"> • Breakout 1: Applications Architecture • Breakout 2: Tools and Libraries • Breakout 3: Software Engineering 	Room: Salon DE (General Sessions) Room: Salon AB Room: Lakeside Ballroom
10:00am - 10:30am	Break	
10:30am - 12:00pm	Breakouts Continued	
12:00pm - 1:00pm	Working Lunch	
1:00pm - 2:30pm	Breakouts <ul style="list-style-type: none"> • Breakout 1: Applications Architecture • Breakout 2: Tools and Libraries • Breakout 3: Software Engineering 	Room: Salon DE (General Sessions) Room: Salon AB Room: Lakeside Ballroom
2:30pm - 3:00pm	Break	
3:00pm - 4:00pm	Breakouts Continued	
4:00pm - 5:30pm	Plenary: Review of the day – no slides <ul style="list-style-type: none"> • Breakout 1 – Quick Summary – 20 mins • Breakout 2 – Quick Summary – 20 mins • Breakout 3 – Quick Summary – 20 mins • Global Sync Up and Q/A – 20 mins 	General Sessions Room (Salon DE)

**September 15-17, 2015
Agenda**

	Thursday, September 17, 2015	
7:30am - 8:30am	Continental Breakfast	
9:00am - 9:30am	Report Writing	Room: Lakeside Ballroom
10:00am - 10:30am	Break	
10:30am - 12:0pm	Report Writing Continued	
12:00pm - 1:00pm	Working Lunch	