

**Tuesday, February 4, 2020**

7:30 – 8:30 AM	<b>Working Breakfast</b>   Legends Ballroom Focus Area Updates: Hardware & Integration BSSw Fellows Announcement	
8:30 – 9:00 AM	<b>Keynote Address</b>   Legends Ballroom by <b>Dr. Chris Fall</b> , Director, DOE Office of Science	
9:00 – 9:30 AM	<b>State of the ECP</b>   Legends Ballroom by <b>Doug Kothe</b> (ORNL), <b>Lori Diachin</b> (LLNL), <b>Terri Quinn</b> (LLNL), <b>Mike Heroux</b> (SNL), <b>Andrew Siegel</b> (ANL), <b>Kathlyn Boudwin</b> (ORNL)	
9:30 – 10:00 AM	<b>Break</b>   Legends Pre-function Area	
10:00 – 10:30 AM	<b>Poster Session (Part I: Exploration)</b>   Discovery B Application Development / Hardware & Integration / Facilities / Industry	
10:30 AM – 12:00 PM	<b>Tutorials – Track 1</b> <span style="float: right;">90 min</span> <b>AD</b> <ul style="list-style-type: none"> <li>▪ Integrating PaRSEC-Enabled Libraries in Scientific Applications   <b>Champions VII</b></li> </ul> <b>ST</b> <ul style="list-style-type: none"> <li>▪ Introduction to the Capabilities and Use of the SUNDIALS Suite of Nonlinear and Differential/Algebraic Equation Solvers   <b>Champions VI</b></li> <li>▪ Performance Evaluation Using the TAU Performance System   <b>Discovery A</b></li> <li>▪ SLATE and MAGMA Linear Algebra &amp; FFT Libraries Tutorial   <b>Founders I</b></li> <li>▪ Umpire: Managing Heterogeneous Memory Resources   <b>Champions V</b></li> </ul>	<b>BoFs/Breakouts/Panels – Track 1</b> <span style="float: right;">90 min</span> <b>AD</b> <ul style="list-style-type: none"> <li>▪ AMReX and AMReX-Based Application   <b>Founders IV</b></li> </ul> <b>ST</b> <ul style="list-style-type: none"> <li>▪ Intelligent Distributed Data Movement for Exascale Computing   <b>Champions III</b></li> <li>▪ MPI BoF   <b>Champions I &amp; II</b></li> </ul> <b>HI</b> <ul style="list-style-type: none"> <li>▪ Collaboration Opportunities with the BSSw Fellows   <b>Founders II</b></li> <li>▪ Cultivating Software Sustainability and Productivity through BSSw.io   <b>Founders III</b></li> <li>▪ OpenMP Roadmap for Accelerators Across DOE Pre-Exascale/Exascale Machines   <b>Legends Ballroom</b></li> </ul>
12:00 – 1:30 PM	<b>Working Lunch</b>   Legends Ballroom Plenary – EQSIM: Transforming Earthquake Hazard and Risk Assessment Through Exascale Simulations by <b>Dr. David McCallen</b> , Lawrence Berkeley National Laboratory	
1:30 – 2:30 PM	<b>Poster Session (Part II: Discussion)</b>   Discovery B Application Development / Hardware & Integration / Facilities / Industry	



<p><b>2:30 – 3:30 PM</b></p>	<p><b>Tutorials – Track 2</b> 180 min</p> <p><b>AD</b></p> <ul style="list-style-type: none"> <li>CANDLE Hands-on Tutorial   <b>Champions VII</b></li> </ul> <p><b>ST</b></p> <ul style="list-style-type: none"> <li>Application-Driven Fault-Tolerance for High Performance Distributed Computing   <b>Founders II</b></li> <li>In Situ Visualization and Analysis with Ascent   <b>Founders III</b></li> <li>Managing Power Efficiency of HPC Applications with Variorum and GEOPM   <b>Champions VI</b></li> </ul> <p><b>HI</b></p> <ul style="list-style-type: none"> <li>Better Scientific Software Tutorial   <b>Founders IV</b></li> <li>ECP Continuous Integration Startup Tutorial   <b>Champions V</b></li> </ul>	<p><b>BoFs/Breakouts/Panels – Track 2</b> 60 min</p> <p><b>ST</b></p> <ul style="list-style-type: none"> <li>Container Utilization at DOE Compute Facilities   <b>Champions III</b></li> <li>I/O Performance Addicts   <b>Champions I &amp; II</b></li> <li>The Scope and Role of DevOps in HPC   <b>Founders I</b></li> </ul> <p><b>HI</b></p> <ul style="list-style-type: none"> <li>App Integration at the Facilities: Lessons Learned so Far   <b>Discovery A</b></li> <li>Slingshot BoF (<b>NDA Session</b>)   <b>Legends Ballroom</b></li> </ul>
<p><b>3:30 – 4:00 PM</b></p>	<p><b>Poster Session (Part III: Collaboration)</b>   Discovery B        Application Development / Hardware &amp; Integration / Facilities / Industry</p> <p><b>Break</b>   Legends Pre-function Area</p>	
<p><b>4:00 – 6:30 PM</b></p>	<p><b>Tutorials – Track 2 (Continued)</b></p>	<p><b>BoFs/Breakouts/Panels – Track 3</b> 90 min</p> <p><b>AD</b></p> <ul style="list-style-type: none"> <li>CEED: High-Order Methods, Applications, and Performance for Exascale   <b>Founders I</b></li> </ul> <p><b>ST</b></p> <ul style="list-style-type: none"> <li>Kokkos Ecosystem for Performance Portability: Updates and Plans   <b>Discovery A</b></li> <li>Lossy Data Reduction/Compression for ECP Applications   <b>Champions I &amp; II</b></li> <li>Understanding Performance with Exa-PAPI   <b>Champions III</b></li> </ul> <p><b>HI</b></p> <ul style="list-style-type: none"> <li>Early Experience of Application Developers with OpenMP Offloading at ALCF, NERSC, and OLCF   <b>Legends Ballroom</b></li> </ul> <p><b>BoFs/Breakouts/Panels – Track 4</b> 60 min</p> <p><b>HI</b></p> <ul style="list-style-type: none"> <li>Intel Developer Feedback Session   <b>Legends Ballroom</b></li> </ul>