

SC-19 LANL Participants Schedule

Date	Start	End	Name	Type	Location	Title
Sunday, November 17, 2019	8:30am	5:00pm	Rogers, David	Tutorial	402	In Situ Analysis and Visualization with SENSEI and Ascent
Sunday, November 17, 2019	8:30am	5:00pm	Pakin, Scott	Tutorial	205	Introduction to Quantum Computing
Sunday, November 17, 2019	9:43am	10:00am	Neuman, Brett , Dubois, Andy , Monroe, Laura , Robey, Robert	Workshop	603	Fast, Good, and Repeatable: Summations, Vectorization, and Reproducibility
Sunday, November 17, 2019	10:30am	11:30am	Hai Ah Nam	Workshop	601	Thriving at Workplace (Short Talks)
Sunday, November 17, 2019	11:10am	11:25am	J. David Moulton	Workshop	710	Lightweight Software Process Improvement Using Productivity and Sustainability Improvement Planning (PSIP)
Sunday, November 17, 2019	11:10am	11:30am	J. Lowell Wofford and Lueninghoener, Cory	Workshop	505	The Supercomputing Institute: A Systems-Focused Approach to HPC Training and Education
Sunday, November 17, 2019	11:30am	11:45am	Neale, Chris	Workshop	712	Deep Learning Enabled Unsupervised State Identification in KRAS Dimers and Interacting Lipids
Monday, November 18, 2019	8:30am	5:00pm	Grubel, Patricia	Tutorial	401	Better Scientific Software
Monday, November 18, 2019	11:30am	12:30pm	Moore, Lisa	Workshop	605	HUST19 Panel: HPC User Tickets Discussion
Monday, November 18, 2019	12:10pm	12:15pm	Turton, Terece	Workshop	708	In Situ Visualization and Analysis Workflows for WarpX
Monday, November 18, 2019	3:55pm	4:20pm	Latchesar, Ionkov and Lang, Michael	Workshop	601	A Foundation for Automated Placement of Data

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Monday, November 18, 2019	4:00pm	4:30pm	Kuehn, Jeffery	Workshop	603	Fine-Grained Analysis of Communication Similarity between Real and Proxy Applications
Monday, November 18, 2019	4:15pm	4:30pm	Torrez, Alfred and Randles, Timothy and Priedhorsky, Reid	Workshop	704-706	HPC container runtimes have minimal or no performance impact
Tuesday, November 19, 2019	12:15pm	1:15pm	Hick, Jason	Birds of a Feather	601-603	Energy Efficiency Considerations for HPC Procurements
Tuesday, November 19, 2019	12:15pm	1:15pm	Pakin, Scott	Birds of a Feather	505	Quantum Computing at the DOE Laboratories: Status and Future Directions
Tuesday, November 19, 2019	12:15pm	1:15pm	Kuehn, Jeff Poole, Steve	Birds of a Feather	605	Unified Communication X (UCX) Community
Tuesday, November 19, 2019	2:30pm	3:00pm	Lang, Michael	Paper	301-302-303	Topology-Custom UGAL Routing on Dragonfly
Tuesday, November 19, 2019	5:15pm	6:45pm	Bonnie, David	Birds of a Feather	605	Looking Ahead to Tape Technology's Role in HPC – Future Advancements, Challenges, and Roadmap
Tuesday, November 19, 2019	5:15pm	6:45pm	Pritchard, Howard	Birds of a Feather	708	OpenSHMEM: State of the Union 2019
Wednesday, November 20, 2019	12:15pm	1:15pm	Grosset, Pascal	Birds of a Feather	505	SOLAR Consortium: Accelerated Ray Tracing for Scientific Simulations
Wednesday, November 20, 2019	3:30pm	4:00pm	Neale, Chris Gnanakaran, Sandrasegaram	Paper	401-402-403-404	A Massively Parallel Infrastructure for Adaptive Multiscale Simulations: Modeling RAS Initiation Pathway for Cancer

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Wednesday, November 20, 2019	4:15pm	5:00pm	Ying Wai Li	ACM Gordon Bell Finalist	205-207	Fast, Scalable and Accurate Finite-Element Based Ab Initio Calculations Using Mixed Precision Computing: 46 PFLOPS Simulation of a Metallic Dislocation System
Wednesday, November 20, 2019	5:15pm	6:45pm	Randles, Timothy	Birds of a Feather	601-603	Cloud and Open Infrastructure Solutions To Run HPC Workloads
Thursday, November 21, 2019	8:30am	5:00pm	Pelofske, Elijah and Djidjev, Hristo	Poster	E Concourse	Poster 47: Decomposition Algorithms for Scalable Quantum Annealing
Thursday, November 21, 2019	8:30am	5:00pm	Cincio, Lukasz	Poster	E Concourse	Poster 56: Reinforcement Learning for Quantum Approximate Optimization
Thursday, November 21, 2019	8:30am	5:00pm	Ferenbaugh, Charles Krueger, Brendan	Poster	E Concourse	Poster 68: Linking a Next-Gen Remap Library into a Long-Lived Production Code
Thursday, November 21, 2019	8:30am	5:00pm	Shen, Boqian	Poster	E Concourse	Poster 70: Numerical Method and Parallelization for the Computation of Coherent Synchrotron Radiation
Thursday, November 21, 2019	8:30am	5:00pm	Chen, Guangye Bird, Robert	Poster	E Concourse	Poster 72: Kokkos and Fortran in the Exascale Computing Project Plasma Physics Code XGC
Thursday, November 21, 2019	8:30am	5:00pm	Loiseau, Julien , Ramakrishnaiah, Vinay Pavel, Robert	Poster	E Concourse	Poster 74: Enabling Code Portability of a Parallel and Distributed Smooth-Particle Hydrodynamics Application, FleCSPH
Thursday, November 21, 2019	8:30am	5:00pm	Torrez, Alfred Priedhorsky, Reid Randles, Timothy	Poster	E Concourse	Poster 88: HPC Container Runtime Performance

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						Overhead: At First Order, There Is None
Thursday, November 21, 2019	8:30am	5:00pm	Grubel, Patricia and Randles, Timothy	Poster	E Concourse	Poster 89: BeeCWL: A CWL Compliant Workflow Management System
Thursday, November 21, 2019	8:30am	5:00pm	Seamons, Calvin	Poster	E Concourse	Poster 112: Building Complex Software Applications Inside Containers
Thursday, November 21, 2019	8:30am	5:00pm	Everson, Kody and Lapid, Maria	Poster	E Concourse	Poster 113: Improvements Toward the Release of the Pavilion 2.0 Test Harness
Thursday, November 21, 2019	8:30am	5:00pm	Grooms, Xava and Rollins, Robert and Rumpca, Collin	Poster	E Concourse	Poster 127: sFlow Monitoring for Security and Reliability
Thursday, November 21, 2019	8:30am	5:00pm	Patchett, John and Ahrens, James and Biswas, Ayan	Poster	E Concourse	Poster 130: Deep Learning-Based Feature-Aware Data Modeling for Complex Physics Simulations
Thursday, November 21, 2019	10:30am	11:00am	DeBardeleben, Nathan	Paper	405-406-407	BinFI: An Efficient Fault Injector for Safety-Critical Machine Learning Systems
Thursday, November 21, 2019	12:15pm	1:15pm	Mason, Michael	Birds of a Feather	205-207	Operational Data Analytics
Friday, November 22, 2019	8:30am	8:31am	Park, Eunjung	Workshop	503-504	3rd International Workshop on Emerging Parallel and Distributed Runtime Systems and Middleware (IPDRM'2019)
Friday, November 22, 2019	8:30am	10:00am	Pakin, Scott	Panel	201-203	Quantum Inspired vs. Quantum Computing – What Next?
Friday, November 22, 2019	8:40am	12:00pm	DeBardeleben, Nathan	Workshop	301-302-303	Workshop on Fault-Tolerance for HPC at Extreme Scale (FTXS)

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Friday, November 22, 2019	9:30am	9:45am	Moore, Elisabeth	Tutorial	501-502	Job Outcome Prediction via Text Log Analysis
Friday, November 22, 2019	10:30am	12:00pm	James, Ahrens	Panel	201-203	The Road to Exascale and Beyond Is Paved by Software: How Algorithms, Libraries and Tools Will Make Exascale Performance Real