

CSE21 Industry At-a-Glance Calendar for Talks and Events

[Link to Program:](#)

Monday March 1

Session Time	Title
8:30 AM - 9:15 AM	<u>IP1 Hierarchical Energy Based Modeling, Simulation and Control of Multi-Physics Systems - A Paradigm Change</u>
9:45 AM - 11:25 AM	<u>MS8 Data Driven Reduced Order Models: Structure, Networks and Imaging - Part I of II</u>
9:45 AM - 11:25 AM	<u>MS11 GraphBLAS: Tools, Algorithms, and Applications - Part I of II</u>
9:45 AM - 11:25 AM	<u>MS20 Novel Concepts in Multifidelity Surrogate Approaches for UQ, Reliability Analysis, and Data Learning - Part I of II</u>
1:00 PM - 1:45 PM	<u>IP2 Developing the Quantum Revolution</u>
2:15 PM - 3:55 PM	<u>MS41 GraphBLAS: Tools, Algorithms, and Applications - Part II of II</u>
2:15 PM - 3:55 PM	<u>MS43 Hyperparameter Optimization in Machine Learning</u>
2:15 PM - 3:55 PM	<u>MS44 Impacts of Applied Mathematics and Computer Science on DOE Computational Science - Part I of II</u>
2:15 PM - 3:55 PM	<u>MS52 Novel Computational Algorithms for Future Computing Platforms - Part I of II</u>
4:15 PM - 5:55 PM	<u>MS70 Broader Engagement (BE): Lightning Talks</u>
4:15 PM - 5:55 PM	<u>MS84 Novel Computational Algorithms for Future Computing Platforms - Part II of II</u>
4:15 PM - 5:55 PM	<u>MS87 Performance Optimization in Numerical Libraries for Next-Generation Architectures</u>
6:00 PM - 6:45 PM	<u>PD1 Panel Discussion on Diversity and Inclusion for Careers in CSE: Challenges and Best Practices - Part I of III</u>
6:45 PM - 7:30 PM	<u>PD2 Panel Discussion on Diversity and Inclusion for Careers in CSE: Challenges and Best Practices - Part II of III</u>

Tuesday March 2

8:30 AM - 9:15 AM	<u>IP3 Exploring the Second-Order Sparsity in Sparse Statistical Optimization Problems</u>
9:45 AM - 11:25 AM	<u>MS94 Building Sustainable Software Communities and Sustainable Software - Part I of II</u>
9:45 AM - 11:25 AM	<u>MS98 Data Driven Reduced Order Models: Structure, Networks and Imaging - Part II of II</u>
1:00 PM - 1:45 PM	<u>IP4 The Future Needs Computational Science: From Physics-Based Models to Scientific Machine Learning</u>
2:15 PM - 3:55 PM	<u>MS125 Building Sustainable Software Communities and Sustainable Software - Part II of II</u>
2:15 PM - 3:55 PM	<u>MS133 High-Performance Tensor Computation and Applications</u>
5:00 PM - 7:00 PM	<u>PP1 Poster Session</u>

Wednesday March 3

8:30 AM - 9:15 AM	<u>IP5 Computational Brainphatics</u>
9:25 AM - 11:25 AM	<u>PP5 Poster Session</u>
11:30 AM-12:00 PM	<u>SP1 SIAG CSE Best Paper Prize: Superfast Divide-and-Conquer Hermitian Eigenvalue Solutions</u>
1:00 PM - 1:45 PM	<u>IP6 Ensemble Kalman Filters for Data Assimilation: An Overview and Future Directions</u>
2:15 PM - 3:55 PM	<u>MS156 Broader Engagement (BE): Fundamentals of Accelerated Computing with CUDA C/C++ - Part I of II</u>
2:15 PM - 3:55 PM	<u>MS162 Exascale Computing Project Performance Portability Analysis - Part I of II</u>
2:15 PM - 3:55 PM	<u>MS171 Mixed-Precision Algorithms and Systems to Accelerate High-Performance Computing - Part I of II</u>
4:15 PM - 5:55 PM	<u>MS Broader Engagement (BE): Fundamentals of Accelerated Computing with CUDA C/C++ - Part II of II</u>
4:15 PM - 5:55 PM	<u>MS192 Exascale Computing Project Performance Portability Analysis - Part II of II</u>

Thursday March 4	
8:30 AM - 9:15 AM	<u>IP7 Multilevel Overlapping Domain Decomposition Methods with Spectral Coarse Spaces</u>
9:45 AM - 11:25 AM	<u>MS217 Bayesian Methods in Science and Engineering - Part I of II</u>
11:30AM-12:00 PM	<u>SP2 SIAM CSE21 James H. Wilkinson Prize in Numerical Analysis and Scientific Computing - Rational Krylov: A Toolkit for Scientific Computing</u>
1:00 PM-1:45 PM	<u>IP8 Learning Representations Using Causal Invariance</u>
2:15 PM - 3:55 PM	<u>MS245 Bayesian Methods in Science and Engineering - Part II of II</u>
2:15 PM - 3:55 PM	<u>MS269 Scientific Machine Learning in the Oil and Gas Industry - Part I of II</u>
4:15 PM - 5:55 PM	<u>MS297 Scientific Machine Learning in the Oil and Gas Industry - Part II of II</u>
4:15 PM - 5:55 PM	<u>MS298 Wash Your Hands, Wear a Mask, Keep the Bugs Out</u>
Friday March 5	
8:30 AM - 10:10 AM	<u>MS313 High Performance Simulation and Estimation with Julia's SciML - Part I of II</u>
8:30 AM - 10:10 AM	<u>MS320 Model-Based Optimal Experimental Design - Part I of II</u>
10:20AM-12:00 PM	<u>MS351 Model-Based Optimal Experimental Design - Part II of II</u>
12:15PM-12:45 PM	<u>SP3 SIAG CSE Early Career Prize Lecture: Bridging Physical Models and Observational Data with Physics-Informed Deep Learning</u>
12:45PM-1:15 PM	<u>SP4 SIAM-ACM Prize in Computational Science and Engineering: DeepOnet: Learning Linear, Nonlinear and Multiscale Operators Using Deep Neural Networks Based on the Universal Approximation Theorem of Operators</u>