All papers listed here are available via Emory Libraries. Your presentation will be 20-25 mins long, followed by 5-10 mins for questions.

	Top Ten Exascale Research Challenges. Office of Science	KEVIN
2/22	Anton 2: raising the bar for performance and programmability in a special-purpose molecular dynamics supercomputer	ZIWEI
2/24	Big Data Staging with MPI-IO for Interactive X-ray Science	POOYA
3/2	Petascale Direct Numerical Simulation of Blood Flow on 200K Cores and Heterogeneous Architectures	JEFF
3/7	Spring Break	
3/9	Spring Break	
3/14	MapReduce: simplified data processing on large clusters ()	SAHAR
3/16	GraphReduce: processing large-scale graphs on accelerator-based systems	ISHATS
3/21	Exploring network optimizations for large-scale graph analytics	LIANG TAO
3/23	MapReduce for data intensive scientific analyses	FATEMEH
3/28	Parallel Scripting for Applications at the Petascale and Beyond	MOHSEN
3/30	Present a case-study of Swift in action	SERGIO
4/4	Exascale Computing and Big Data	WANGYX05
4/6	Biomedical image analysis on a cooperative cluster of GPUs and multicores	JING
4/18	The Cat is Out of the Bag: Cortical Simulations with 109 Neurons, 1013 Synapses	SIWEI WANG
4/20	• ADAM: Genomics Formats and Processing Patterns for Cloud Scale Computing • Scientific Computing Meets Big Data Technology: An Astronomy Use Case	• XIALONG • ZHENYING TAO
4/25		
4/27		