

Day 1 (10/18)		Speaker	Affiliation	Talk Title
9:00 AM	Session 1	chair: David Gleich		
		Jingmei Qiu	University of Delaware	Low rank Tensor Approximations to Kinetic Models
		William Detmold	MIT	Tensor Computations in Lattice QCD
		Joyce Ho	Emory University	Federated tensor learning and its application for healthcare
		Ed Valeev	Virginia Tech	Automating symbolic manipulation and evaluation of data-sparse tensor algebra for quantum electronic structure
10:30 AM	break			
11:00 AM	Session 2	chair: Aditya Devarakonda		
		Changwan Hong	MIT	Compiler Support for Structured Data
		Jee Choi	University of Oregon	Linearized Tensor Format for Performance-Portable Sparse Tensor Computation
		Toluwanimi Odemuyiwa	University of California, Davis	Extending Einsums to Support Graph Analytics: A BFS Example
12:00 PM	lunch			
1:30 PM	Session 3	chair: Andrew Christleib		
		Cory Hauck	Oak Ridge National Laboratory	A semi-implicit, low-rank DG method for a kinetic model of radiation emission and absorption
		Elizabeth Newman	Emory University	Optimal Matrix-Mimetic Tensor Algebras via Variable Projection
		Kejun Huang	University of Florida	HOQRI: Higher-order QR Iteration for Scalable Tucker Decomposition
		Huan He	University of Pennsylvania	Efficient Fine-tuning of pretrained machine learning models using Tensor Training
3:00 PM	break			
3:15 PM	Session 4	chair: Ramki Kannan		
		Nandeeka Nayak	University of Illinois Urbana-Champaign	TeAAL: A Declarative Framework for Modeling Sparse Tensor Accelerators
		Saday Sadayappan	University of Utah	Can tensor factorization help us shrink language models?
		Scott Kovach	Stanford	Indexed Streams: A Formal Intermediate Representation for Fused Contraction Programs
		Arvind Saibaba	North Carolina State University	Tensor methods for parametric low-rank kernel approximations
4:40 PM	poster session			
5:45 PM	end day 1			
Day 2 (10/19)				
8:30 AM	Session 5	chair: Sara Pollock		
		Osman Malik	Lawrence Berkeley National Laboratory	Recent advances in sampling-based methods for tensor decomposition
		Carmeliza Navasca	University of Alabama at Birmingham	Sampling Methods for the Canonical Polyadic Decomposition
		Linjian Ma	University of Illinois at Urbana Champaign	Efficient tensor network contraction algorithms
		Vivek Bharadwaj	UC Berkeley	Faster Implicit Leverage Sampling Algorithms for CP and Tensor-Train Decomposition
10:00 AM	break			
10:30 AM	Session 6	char: Vishwas Rao		
		Alex Gittens	Rensselaer Polytechnic Institute	Faster Structured Tensor Decompositions via Sketching
		Teresa Ranadive	Laboratory for Physical Sciences	Distributed Large-Scale All-at-Once Count Tensor Decomposition
		Eric Phipps	Sandia National Laboratories	Streaming Generalized Canonical Polyadic Tensor Decompositions
		Akwum Onwunta	Lehigh University	Tensor Train Approach to PDE-Constrained Optimization under Uncertainty
12:00 PM	lunch			
1:30 PM	Session 7	chair: Piotr Luszczek		
		Matt Fishman	Flatiron Institute	Convenient development of general tensor network algorithms with ITensor
		Avery Laird	University of Toronto	Automatically Translating Sparse Codes
		Paul Kielstra	UC Berkeley	Tensor Butterfly Factorization (In Parallel!)
		Mit Kotak	Massachusetts Institute of Technology	Optimizing Equivariant Tensor Products — the Computational Bottleneck of Symmetry-Equivariant Neural Networks
3:00 PM	end			