Tuesday 3/24

07:30- Breakfast [Copper Conference Center] 08:30

08:00- 10:05	Session Bighorn	8 A: Preconditioning. n B	08:00- 10:05	Session rithms I Bighorn		08:00- 10:05	Session tions. Bighorn	8C: Transport and Nuclear Applica- C/2
	08:00	An implicit approach to phase field modeling of solidification for metals and alloys Christopher Newman Marianne Francois, Supriyo Ghosh		08:00	Quantum Computing From a Linear Algebra Perspective Chao Yang		08:00	Domain Decomposed Monte Carlo Transport on GPUs in Shift Steven Hamilton Thomas Evans
	08:25	Recurrent use of AL preconditioner for fluid equations on manifolds. Maxim Olshanskiy Alexander Zhiliakov		08:25	Variational quantum algorithms running on quantum supreme chips Jarrod McClean		08:25	Scalable multilevel domain decomposition methods with SG coarse spaces for the multigroup neutron transport equations Fande Kong
	08:50	Enhanced Relaxed Physical Factor- ization Preconditioner for Three-Field Poroelasticity Matteo Frigo Nicola Castelletto, Massimil- iano Ferronato		08:50	Low-depth gradient measurements can improve convergence in variational hy- brid quantum-classical algorithms Aram Harrow John Napp		08:50	Multimaterial, three temperature radiation-hydrodynamics solver for ICF applications Hyeongkae Park Marc Charest
	09:15	Spectral-based fast solvers for finite volume discretizations of a conservative fractional diffusion problem Ken Trotti Mariarosa Mazza, Marco Donatelli, Rolf Krause		09:15	Quantum linear system solver based on time-optimal adiabatic quantum com- puting and quantum approximate opti- mization algorithm Dong An Lin		09:15	Iterative Methods for Thermal Radiation Transport with Multiple Preconditioners Andrew Till Jim Warsa
	09:40	_		09:40	_		09:40	Data motion analysis for Implicit Monte Carlo on CPUs and GPUs Alex Long

10:25- 12:30	Session tions. Bighorn	9A: Eigenvalue and SVD Computa-B	10:25- 12:30	Session rithms Bighorn		10:25- 12:30	Sessior Bighorr	n 9C: Preconditioning. n C/2
	10:25	Hybrid Iterative Refined Methods for Symmetric Eigenvalue Problems Jennifer Picucci James Baglama		10:25	Quantum primitives and quantum linear algebra Lin Lin		10:25	Matrix-free preconditioning for high- order finite elements Andrew Barker
	10:50	Low-Rank Stopping Criteria for Block Parallel SVD Steven Goldenberg Andreas Stathopou- los		10:50	Eigenstate filtering with application to quantum linear systems Lin Lin Yu Tong		10:50	Preconditioning for a Stabilized Mixed- Hybrid Formulation of Biot's Poroelas- ticity Equations Nicola Castelletto Massimiliano Fer- ronato, Matteo Frigo, Joshua White
	11:15	HiSVD: A Hybrid Incremental SVD Method for Streaming Large, Sparse Matrices Jeremy Myers Andreas Stathopoulos		11:15	Quantum state verification in linear algebra problems Rolando Somma Yigit Subasi		11:15	Peclet-robust preconditioners for singularly perturbed convection-diffusion equations Scott MacLachlan Niall Madden, Thail Nhan
	11:40	Computing Generalized Matrix Functions with Singular Value Estimation Ru Huang Yuanzhe Xi, Michele Benzi		11:40	Quantum algorithm for linear systems and applications to plasma dynamics Hari Krovi		11:40	Nonsymmetric block preconditioners and heterogeneous DSA, compatible with voids Ben Southworth
	12:05	Domain decomposition Rayleigh-Ritz approaches for symmetric generalized eigenvalue problems Vasileios Kalantzis		12:05	_		12:05	Multiscale preconditioning for coupled porous media flow and geomechanics on unstructured grids Sergey Klevtsov Nicola Castelletto, Hamdi Tchelepi

16:30- 18:35	Session 10A: Algebraic Preconditioners. Bighorn B		16:30- 18:35	Session 10B: Quantum Linear Algebra Algorithms III. Bighorn C/1		16:30- 18:35	Session 10C: UQ and Montecarlo methods. Bighorn C/2	
	16:30	Preconditioners based on enhanced structured incomplete factorization (eSIF) for general SPD matrices Jianlin Xia		16:30	Unitary Matrix Decompositions for Quantum Circuit Synthesis Roel Van Beeumen		16:30	An efficient solver for nonlinear Bayesian inverse problems Akwum Onwunta Howard Elman
	16:55	Leveraging One-Sided Communication for Sparse Triangular Solvers Sherry Li Nan Ding, Samuel Williams, Yang Liu		16:55	Quantum algorithm for simulating the wave equation Stephen Jordan Pedro Costa, Aaron Ostrander		16:55	Multilevel Monte Carlo with improved correlation for kinetic equations in the diffusive scaling Emil Loevbak Giovanni Samaey, Stefan Vandewalle
	17:20	Multicolor Block Gauss-Seidel using Kokkos Brian Kelley Siva Rajamanickam		17:20	High-precision quantum algorithms for partial differential equations Andrew Childs Jin-Peng Liu, Aaron Ostran- der		17:20	A Discrete-time Cancer Immunother- apy Model under the Kolmogorov Equa- tion View and the Reaction-Diffusion Model Ye Li
	17:45	SSAI: A symmetric sparse approximate inverse preconditioner for the conjugate gradient methods PCG and PCGLS Shaked Regev Michael Saunders		17:45	_		17:45	Exploiting Sparsity in the Estimation of Gaussian Mixture Models Shahaf Finder Eran Treister, Oren Freifeld
	18:10	_		18:10	_		18:10	Deflation and preconditioning strategies for sequences of sampled stochastic elliptic equations Nicolas Venkovic Paul Mycek, Luc Giraud, Olivier Le Maître