

CSC-DMP Retreat

Tuesday 18 February 2025

Poster Presentations: with Coffee Break (15:30 - 16:45)

time	[id] title	presenter
15:30	[37] DEIM-spirited hybred reduction for nonlinear constraint projectiond	MONEM, Shaimaa
15:30	[71] Linear \mathcal{L} -structured matrix equations	CHUIKO, Sergii
15:30	[69] A mixed-precision algorithm for the Sylvester matrix equation	LIU, Xiaobo
15:30	[68] Kinetically Consistent Coarse Graining using Kernel-based Extended Dynamic Mode Decomposition	NATEGHI, Vahid
15:30	[62] A realization-free approach for constructing surrogate bilinear reduced-order models	LILIENBLUM, Jan
15:30	[60] Structure-preserving learning for multi-symplectic PDEs	Dr YILDIZ, Süleyman
15:30	[61] Prescribed-Time Asynchronous Boundary Control for Uncertain Delay Reaction-Diffusion Systems	WANG, Xuelian
15:30	[59] Benchmarking pyMOR QR decompositions	BINDHAK, Maximilian
15:30	[55] Efficient iterative solution of nonstandard algebraic Riccati equations via indefinite factorizations	Dr SAAK, Jens
15:30	[53] Applications of operator inference for second-order systems	FILANOVA, Yevgeniya
15:30	[56] Port Hamiltonian connection of pipes	GRUNDEL, Sara
15:30	[51] Structure-preserving symplectic neural networks for parametric Hamiltonian systems	JANIK, Konrad
15:30	[48] A Multi-Layered CSE Workflow Framework for FAIR Numerical Experiments	VELUVALI, Pavan L.
15:30	[58] An Iterative Active Subspace Approach for Model Order Reduction of Parametric Systems with High-Dimensional Parameter Spaces	WANG, Chenzi
15:30	[54] Optimization and Stability of Chemical Reactor Models	YEVGENIEVA, Yevgeniia
15:30	[47] Diffusion Monte Carlo as a Stochastic Optimal Control Problem	NASCIMENTO PIRES, Luís Tadeu
15:30	[66] Molecular Kinetics with Koopman Operators: Application to large-scale Systems	SPRINK, Hauke
15:30	[41] Data-Driven Generalised eigenvalue problems in Tensor Train Format	VERMA, Minakshi
15:30	[40] Understanding the Mechanisms of Partially Observation by Mori-Zwanzig Formalism for Large-scale Systems	WANG, Fan
15:30	[31] A higher dimensional perspective on composite gas flow simulations in pipeline networks	NAYAK, Ashwin