

Session Program

May 18 - 22, 2026



27th Conference of the International Linear Algebra Society (ILAS 2026)

Low-Complexity Data-driven or Classical Algorithms and Applications

Virginia Tech
Blacksburg, VA 24061

Mon, May 18

11:00 AM

Low-Complexity Data-driven or Classical Algorithms and Applications: A

Session | Location: Virginia Tech, Torgersen Hall 1040

11:00 - 11:25 AM

Convergence of Randomized and Greedy Block Gauss-Seidel methods, as well as Asynchronous Iterations

Speaker

Daniel Szyld

11:25 - 11:50 AM

Randomized Sketching for Tucker Tensors: From Compressed Summation to GMRES

Speaker

Mirjeta Pasha

11:50 AM - 12:15 PM

Novel Randomized Tensor-Train Sketch and Applications

Speaker

Paul Cazeaux

12:15 PM

2:00 PM

Low-Complexity Data-driven or Classical Algorithms and Applications: B

Session | Location: Virginia Tech, Torgersen Hall 1040

2:00 - 2:25 PM

Optimal Experimental Design for Gaussian Processes via Column Subset Selection

Speaker

Jessie Chen

2:25 - 2:50 PM

Accelerating Spectral Clustering of Time Series by approximating the Similarity Matrix using Randomly Pivoted Cholesky

Speaker

Raf Vandebril

2:50 - 3:15 PM

Spotlight inversion by orthogonal projections

Speaker

Daniela Calvetti

3:15 PM

Tue, May 19

11:00 AM

Low-Complexity Data-driven or Classical Algorithms and Applications: D

Session | Location: Virginia Tech, Torgersen Hall 1040

11:00 - 11:25 AM

Conditional Denoising Diffusion Model-Based Robust MR Image Reconstruction from Highly Undersampled Data

Speaker

Dr Xianqi Li

11:25 - 11:50 AM

A low-complexity locally recoverable matrix-influenced algorithm to globally recover codes

Speaker

Oshani Jayawardane

11:50 AM - 12:15 PM

Computing Singular Values Above a Certain Threshold

Speaker

Vasilije Perovic

12:15 PM