

Session Program

May 18 - 22, 2026



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

Matrix Nearness Problems

Virginia Tech
Blacksburg, VA 24061

Mon, May 18

11:00 AM

Matrix Nearness Problems: A

Session | Location: Virginia Tech, Torgersen Hall 1030

11:00 - 11:25 AM

Nearest matrix with multiple eigenvalues by Riemannian optimization

Speaker

Vanni Noferini

11:25 - 11:50 AM

Robustly asymptotically stable dissipative Hamiltonian descriptor systems

Speaker

Volker Mehrmann

11:50 AM - 12:15 PM

Bounds on the geodesic distances on the Stiefel manifold for a family of Riemannian metrics

Speaker

Simon Maitaigne

12:15 PM

2:00 PM

Matrix Nearness Problems: B

Session | Location: Virginia Tech, Torgersen Hall 1030

2:00 - 2:25 PM

Reliably Computing the Worst-case H-infinity Norm of a Parametric System Using an Interpolation-based Algorithm.

Speaker

Tim Mitchell

2:25 - 2:50 PM

Distance to prescribed rank matrix polynomials via generic factorizations and alternating least squares

Speaker

Froilán M. Dopico

2:50 - 3:15 PM

Structured stability radii of dissipative Hamiltonian systems

Speaker

Anshul Prajapati

3:15 PM

Tue, May 19

11:00 AM

Matrix Nearness Problems: D

Session | Location: Virginia Tech, Torgersen Hall 1030

11:00 - 11:25 AM

Constrained Rayleigh quotient optimization and its applications in polynomial eigenvalue problem

Speaker

Punit Sharma

11:25 - 11:50 AM

Singular Value Characterizations for a Nearest Rectangular Polynomial Matrix with an Eigenvalue

Speaker

Emre Mengi

11:50 AM - 12:15 PM

A Newton-bisection method with monotone convergence for matrix nearness problems.

Speaker

Nicola Guglielmi

12:15 PM