Session Program

May 18 – 22, 2026

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

Theoretical Advances in Operator Learning

Virginia Tech
Blacksburg, VA 24061

Tue, May 19

2:00 PM

Theoretical Advances in Operator Learning: E

Session | **Location:** Virginia Tech, McBryde Hall 113

2:00 – 2:25 PM **Learning operators with continuous spectrum from data**

Speaker
Andrew Horning

2:25 – 2:50 PM

Resolvent compactification methods for spectral approximation of Koopman operators

Speaker
Trevor Camper

2:50 – 3:15 PM

Learning Enhanced Ensemble Filters: Continuum Limits of Attention on Measures

Speaker
Bohan Chen

3:15 PM

3:45 PM

Theoretical Advances in Operator Learning: F

Session | **Location:** Virginia Tech, McBryde Hall 113

3:45 – 4:10 PM **Learning Material Constitutive Laws with Neural Operators**

Speaker
George Stepaniants

4:10 – 4:35 PM

Data-efficient Adjoint-free Learning for Asymptotically Smooth Integral Operators

Speaker
Esther Gallmeier

4:35 – 5:00 PM **Quasi-optimal hierarchically semi-separable matrix approximation**

Speaker
David Persson

5:00 – 5:25 PM

L2-Optimal Reduced-Order Modeling Using Parameter-Separable Forms

Speaker
Serkan Gugercin

5:25 PM

Thu, May 21

2:00 PM

Theoretical Advances in Operator Learning: I

Session | **Location:** Virginia Tech, McBryde Hall 113

2:00 – 2:25 PM **Operator Learning at Machine Precision**

Speaker
Aras Bacho

2:25 – 2:50 PM **Operator Learning via Learned Differential Operators**

Speaker
Juan Felipe Osorio Ramirez

2:50 – 3:15 PM **Towards High-Precision Optimizers for Scientific Machine Learning**

Speaker
Gil Goldshlager

3:15 – 3:40 PM **Estimation for intrinsic Gaussian processes**

Speaker
Christopher Beattie

3:40 PM