

Session Program

May 18 - 22, 2026



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

Model- and Data-driven Reduced-order Models and Their Applications in Inverse Problems

Virginia Tech
Blacksburg, VA 24061

Mon, May 18

11:00 AM

Model- and Data-driven Reduced-order Models and Their Applications in Inverse Problems: A

Session | Location: Virginia Tech, Goodwin Hall 145

11:00 - 11:25 AM **Reduced order models for inverse scattering**

Speaker

Andreas Tataris

11:25 - 11:50 AM **ROM-based Inverse Scattering for Monostatic Data**

Speaker

Jörn Zimmerling

12:15 PM

Thu, May 21

2:00 PM

Model- and Data-driven Reduced-order Models and Their Applications in Inverse Problems: I

Session | Location: Virginia Tech, Goodwin Hall 145

2:00 - 2:25 PM **Multiparameter Waveform Inversion via Reduced Order Modeling**

Speaker

Alexander Mamonov

2:25 - 2:50 PM

Characterization of the response of electric circuits with two kinds of passive elements

Speaker

Fernando Guevara Vasquez

2:50 - 3:15 PM

Adaptive data-driven reduced-order models of port-Hamiltonian dynamical systems for nonlinear inverse scattering applications

Speaker

Mikhail Zaslavskiy

3:40 PM