

## Session Program

May 18 - 22, 2026



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

## Rational Approximation and Interpolation: Practical Applications, Challenges and Solutions

Virginia Tech  
Blacksburg, VA 24061

## Tue, May 19

2:00 PM

### Rational Approximation and Interpolation: Practical Applications, Challenges and Solutions: E

Session | Location: Virginia Tech, Torgersen Hall 1040

2:00 - 2:25 PM

#### Concentrated real-pole uniform-in-time approximation of the matrix exponential

**Speaker**

Shuai Shao

2:25 - 2:50 PM

#### Multivariate Rational Approximation of Scattered Data Using the p-AAA Algorithm

**Speaker**

Linus Balicki

2:50 - 3:15 PM

#### p-set valued AAA for parametric model order reduction.

**Speaker**

Karl Meerbergen

3:15 PM

# Wed, May 20

10:45 AM

## Rational Approximation and Interpolation: Practical Applications, Challenges and Solutions: G

Session | Location: Virginia Tech, Torgersen Hall 1040

10:45 - 11:10 AM

### A refined nonlinear least-squares method for the rational approximation problem

**Speaker**

Michael Ackermann

11:10 - 11:35 AM

### Descriptor realizations of multi-parameter systems and nonlinear eigenvalue problems

**Speaker**

Athanasios Antoulas

11:35 AM - 12:00 PM

### The Loewner Framework Beyond Linear Outputs

**Speaker**

Sean Reiter

12:00 PM

# Thu, May 21

11:00 AM

## Rational Approximation and Interpolation: Practical Applications, Challenges and Solutions: H

Session | Location: Virginia Tech, Torgersen Hall 1040

11:00 - 11:25 AM

### Rational quasi-Hermite approximation for computing acoustic quasinormal modes in transmission problems

**Speaker**

Luka Marohnić

11:25 - 11:50 AM

### Tensor-based multivariate rational approximation

**Speaker**

Leonie Van Pottelberghe

11:50 AM - 12:15 PM

### Greedy rational approximation: Analysis and algorithms of sketched resolvents

**Speaker**

Akil Narayan

12:15 PM