

## Session Program

May 18 - 22, 2026



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

## Sparse Tensor Computations: Algorithms and Applications

Virginia Tech  
Blacksburg, VA 24061

# Mon, May 18

11:00 AM

## Sparse Tensor Computations: Algorithms and Applications: A

Session | Location: Virginia Tech, Torgersen Hall 1060

11:00 - 11:25 AM **Optimal tensor network structure search**

**Speaker**

Alex Gorodetsky

11:25 - 11:50 AM

**Decomposition of a tensor into multilinear rank- $(M_r, N_r, \cdot)$  terms**

**Speaker**

Nico Vervliet

11:50 AM - 12:15 PM

**Synchronous and Asynchronous Parallelism Approaches for Generalized Canonical Polyadic Tensor Decomposition with GenTen**

**Speaker**

Eric Phipps

12:15 PM

2:00 PM

## Sparse Tensor Computations: Algorithms and Applications: B

Session | Location: Virginia Tech, Torgersen Hall 1060

2:00 - 2:25 PM **A Tree Tensor Network Integrator for the Chemical Master Equation**

**Speaker**

Julian Mangott

2:25 - 2:50 PM

**Low-Rank CP Tensor Compression and Its Application to High-Dimensional PDEs**

**Speaker**

Zhanrui Zhang

2:50 - 3:15 PM

**Iterative low-rank time integration of the time-dependent Schrödinger equation**

**Speaker**

Polina Sachsenmaier

3:15 PM

## Tue, May 19

11:00 AM

### **Sparse Tensor Computations: Algorithms and Applications: D**

**Session** | **Location:** Virginia Tech, Torgersen Hall 1060

11:00 - 11:25 AM **Efficient oversampled Tensor-Train approximations**

**Speaker**

Daniel Hayes

11:25 - 11:50 AM

**Adaptive Randomized Tensor Train Rounding using Khatri-Rao Products**

**Speaker**

Bhisham Dev Verma

12:15 PM