

## Session Program

May 18 - 22, 2026



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

## New Advancements in Tensor Decomposition and Computation

Virginia Tech  
Blacksburg, VA 24061

# Thu, May 21

11:00 AM

## New Advancements in Tensor Decomposition and Computation: H

Session | Location: Virginia Tech, Torgersen Hall 1060

11:00 - 11:25 AM **Multiscale Grassmann Manifolds for Single-Cell Data Analysis**

**Speaker**

Dr Xiang Xiang Wang

11:25 - 11:50 AM

**Revisit CP Tensor Decomposition: Statistical Optimality and Fast Convergence**

**Speaker**

Mr Augustine (Runshi) Tang

11:50 AM - 12:15 PM **The Nondecreasing Rank**

**Speaker**

Dr Andrew McCormack

12:15 PM

2:00 PM

## New Advancements in Tensor Decomposition and Computation: I

Session | Location: Virginia Tech, Torgersen Hall 1060

2:00 - 2:25 PM **Transform-Based Multilinear Algebra via Tensor Decompositions**

**Speaker**

Ms Yidan Mei

2:50 - 3:15 PM **Tensor Methods for Multi-omics Data**

**Speaker**

Dr Neriman Tokcan

3:40 PM

# Fri, May 22

8:45 AM

## **New Advancements in Tensor Decomposition and Computation: J**

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

8:45 - 9:10 AM **Tensor Data for Control Strategies in Systems**

**Speaker**

Dr Carmeliza Navasca

9:10 - 9:35 AM

**Preconditioners for Kronecker Sum Systems with Applications to Polynomial Feedback Control**

**Speaker**

Jeff Borggaard

9:35 - 10:00 AM

**A greedy approach for approximate tensor diagonalization**

**Speaker**

Anna Konstorum

10:00 AM