

## Session Program

May 18 - 22, 2026



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

## Low-rank Matrix and Tensor Decompositions: Theory, Algorithms and Applications

Virginia Tech  
Blacksburg, VA 24061

# Mon, May 18

3:45 PM

## Low-rank Matrix and Tensor Decompositions: Theory, Algorithms and Applications: C

Session | Location: Virginia Tech, Torgersen Hall 1060

3:45 - 4:10 PM

### Robustness of Minimum-Volume Nonnegative Matrix Factorization under an Expanded Sufficiently Scattered Condition

**Speaker**

Subhayan Saha

4:10 - 4:35 PM

### Manifold-based Algorithms for the Hadamard Decomposition

**Speaker**

Stefano Sicilia

4:35 - 5:00 PM

### Symmetric nonnegative trifactorization rank of matrices with a given pattern without a four cycle

**Speaker**

Damjana Kokol Bukovšek

5:00 - 5:25 PM

### Randomized algorithms for streaming low-rank approximation in tree tensor network format

**Speaker**

Dr Alberto Bucci

5:25 PM

## Tue, May 19

2:00 PM

### Low-rank Matrix and Tensor Decompositions: Theory, Algorithms and Applications: E

Session | Location: Virginia Tech, Torgersen Hall 1060

2:00 - 2:25 PM **Reducing swamp behavior for canonical polyadic decomposition**

**Speaker**

Charlotte Vermeylen

2:25 - 2:50 PM

### Chiselling Algorithms for Algebraic Computation of Tensor Block Term Decompositions

**Speaker**

David Thorsteinsson

2:50 - 3:15 PM

### Fast randomized compression of matrix-vector products in tensor-train format and applications to Krylov subspace methods

**Speaker**

Alberto Bucci

3:15 PM