

# DMMT'09 Workshop Program

## General Schedule

**9:00 -- 9:05am: Workshop openings**

### *Session I: Tensors*

**9:05 -- 9:45am: Invited Talk: Tensor Decompositions and Applications: a Survey**

-- [Prof. Leiven De Lathauwer](#), (Katholieke Universiteit Leuven, Belgium)

**9:45 -- 10:00am: Paper Presentation: Multi-Way Set Enumeration in Real-Valued Tensors**

-- Elisabeth Georgii (MPI for Biological Cybernetics/Friedrich Miescher Laboratory, Germany), Koji Tsuda (MPI for Biological Cybernetics, Germany),  
and Bernhard Schölkopf (MPI for Biological Cybernetics, Germany)

**10:00 -- 10:20am: Coffee Break**

### *Session II: Matrices*

**10:20 -- 11:00am: Invited Talk: Factorizing Matrices with Missing Entries: Alternative Approaches**

-- [Prof. Charles Elkan](#), University of California, San Diego

**11:00 -- 11:15am: Paper Presentation: A Spectral-based Clustering Algorithm for Categorical Data Using Data Summaries**

-- Eman Abdu (City University of New York, USA) and Douglas Salane (City University of New York, USA)

**11:15 -- 11:30am: Paper Presentation: Sequential Latent Semantic Indexing**

-- Mikhail Krivenko (The Institute of Informatics Problems of the Russian, Academy of Sciences, Moscow) and Vitaly Vasilyev (The Institute of Informatics Problems of the Russian, Academy of Sciences, Moscow)

### *Session III: Matrices and Tensors*

**11:30am -- 12:00pm: Invited Talk: Tensors and n-d Arrays: Mathematics of Arrays, Psi-Calculus, and Composition of Tensor and Array Operations.**

-- [Prof. Lenore Mullin](#) (NSF Program Director and SUNY Albany) and [Prof. James Raynolds](#) (SUNY Albany).

**12:00pm -- 12:10pm: Recent Advances in Tensor Decomposition**

-- Chris Ding (University of Texas at Arlington)

**12:10pm -- 12:25pm: Paper Presentation: Accuracy of Distance Metric Learning Algorithms**

-- Frank Nielsen (École Polytechnique, France & Sony CSL, Japan) and Aurélien Sérandour (École Polytechnique, France)

**12:25 -- 12:40pm: Paper Presentation: Efficient Computation of PCA with SVD in SQL**

-- Mario Navas (University of Houston, USA) and Carlos Ordonez (University of Houston, USA)

***12:40 -- 12:45pm: Workshop Wrap-up***