

Monday, April 24, 2017

- 09:00–09:30 Wolfgang Mulzer
Dynamic Planar Voronoi Diagrams for General Distance Functions
- 09:30–10:00 Anna Gundert
High-dimensional Theta Numbers
- 10:00–10:30 Kyle Fox
Faster algorithms for the geometric transportation problem
- 10:30–11:00 Break
- 11:00–11:45 Joachim Gudmundsson
Spatio-Temporal Analysis of Team Sports
- 12:00–16:00 Lunch
- 16:00–16:30 Benjamin Raichel
A Treehouse with Custom Windows: Minimum Distortion Embeddings into Bounded Treewidth Graphs
- 16:30–17:00 Aleksandar Nikolov
Maximizing Volume Subject to Combinatorial Constraints
- 17:00–18:00 Open problem session
- 18:00 Dinner

Tuesday, April 25, 2017

- 09:00–09:30 Mohammad Ali Abbam
Geodesic spanners for points on the terrain
- 09:30–10:00 Zuzana Patakova
Colorful simplicial depth
- 10:00–10:30 Esther Ezra
A Nearly Quadratic Bound for the Decision Tree Complexity of k -SUM
- 10:30–11:00 Break
- 11:00–12:00 Karl Bringmann
Conditional Lower Bounds for Similarity Measures on Curves and Strings
- 12:00–16:00 Lunch
- 16:00–16:30 Tetsuo Asano
Graph Embedding While Preserving Pairwise Distances
- 16:30–17:00 Bei Wang
Towards Spectral Sparsification of Simplicial Complexes based on Generalized Effective Resistance
- 17:00–17:30 Tilman Miltzow
The Art Gallery Problem is $\exists\mathbb{R}$ -complete
- 17:30–18:00
- 18:00 Dinner

Wednesday, April 26, 2015

- 09:00–09:30 Alejandro Salinger
Spatial data processing with SAP HANA
- 09:30–10:00 Jie Gao
*Don't Collect too Much: Geometric Approaches
for Protecting Location and Trajectory Privacy*
- 10:00–10:30 Michal Kleinbort
*On the computational bottleneck in sampling-based
robot motion planning*
- 10:30–11:00 Break
- 11:00–12:00 David Woodruff
Sketching as a Tool for Geometric Problems
- 12:00–18.00 Lunch & Excursion
- 18:00 Dinner

Thursday, April 27, 2015

- 09:00–09:30 Danny Halperin
Minkowski Sums of Polyhedra with Holes
- 09:30–10:00 Ulrich Bauer
The Morse theory of Čech and Delaunay complexes
- 10:00–10:30 David Kirkpatrick
Self-aligning shapes
- 10:30–11:00 Break
- 11:00–11:30 Jeff Phillips
Approximate Range Maximization
- 11:30–12:00 Kevin Verbeek
A framework for algorithm stability
- 12:00–16:00 Lunch
- 16:00–16:30 Joe Mitchell
TSP With Locational Uncertainty: The Adversarial Model
- 16:30–17:00 Maarten Löffler
Computing Wave Impact in Self-Organised Mussel Beds
- 17:00–17:30 Jeff Erickson
Simplifying Curves on Surface via Local Moves
- 17:30–17:45 Sandor Fekete
Computing Optimal Flight Patterns with Minimum Turn Cost
- 18:00 Dinner

Friday, April 28, 2015

- 09:30–10:00 Michael Gene Dobbins
Matroid Bundles and Stretching Weighted Pseudoline Arrangements
- 10:00–10:30 Bahareh Banyassady
Improved Time-Space Trade-Offs for Computing Voronoi Diagrams
- 10:30–11:00 Break
- 11:00–12:00 Open Problem Session
- 12:00– Lunch & Departure