Monday, March 9, 2015

09:00–09:30  Fabian Stehn
  *Augmenting embedded Paths and Trees to Optimize their Diameter*

09:30–10:00  Siu-Wing Cheng
  *Shortest Paths on Polyhedral Surfaces and Terrains*

10:00–10:30  Anne Driemel
  *Clustering time series under the Fréchet distance*

10:30–11:00  Break

11:00–12:00  Jeff Phillips
  *Geometric Data Analysis: Matrix Sketching to Kernels*

12:00–16:00  Lunch

16:00–16:30  Maike Buchin
  *Segmentation and Classification of Trajectories*

16:30–17:00  Csaba Toth
  *Flip distances in triangulations, rectangulations, and rectangle packings*

17:00–17:30  Yota Otachi
  *On a line-symmetric puzzle*

17:30–18:00  Michael Dobbins
  *Realization spaces of arrangements of convex bodies*

19:15  Open problem session
Tuesday, March 10, 2015

09:00–09:30 Olivier Devillers
  Walking in a random Delaunay triangulation

09:30–10:00 Nicola Wolpert
  Completely randomized RRT-connect:
  A case study on 3D rigid motion planning

10:00–10:30 André Schulz
  On perturbations of the expansion cone

10:30–11:00 Break

11:00–12:00 Donald Sheehy
  Topological Data Analysis

12:00–16:00 Lunch

16:00–16:30 Rolf Klein
  Fire

16:30–17:00 Anastasios Sidiropoulos
  Beyond the Euler characteristic:
  Approximating the genus of general graphs

17:00–17:30 Wolfgang Mulzer
  Approximating the Colorful Carathéodory Theorem

17:30–18:00 Vera Sacristan Adinolfi
  Controlling modular robotic systems:
  some ideas from Computational Geometry
Wednesday, March 11, 2015

09:00–09:30  Natan Rubin
Richter-Thomassen Conjecture about
Pairwise Intersecting Curves (and Beyond)

09:30–10:00  Michael Kerber
The Offset Filtration of Convex Objects

10:00–10:30  David Kirkpatrick
Minimizing co-location potential for moving points

10:30–11:00  Break

11:00–11:30  Jonathan Shewchuk
Restricted Constrained Delaunay Triangulations

11:30–12:00  Peyman Afshani
Untraditional Geometric Queries

12:00–       Lunch & Excursion
Thursday, March 12, 2015

09:00–09:30  Tamal Dey  
*Toward parameter-friendly topology inference*

09:30–10:00  Ludmila Scharf  
*A Middle Curve based on Discrete Fréchet Distance*

10:00–10:30  Maria Saumell  
*A Dynamic Programming Algorithm to Find Subsets of Points in Convex Position Optimizing some Parameter*

10:30–11:00  Break

11:00–11:30  Franz Aurenhammer  
*Voronoi Diagrams of Parallel Halflines in 3D*

11:30–12:00  Carola Wenk  
*On Map Construction and Map Comparison*

12:00–16:00  Lunch

16:00–16:30  Ioannis Emiris  
*Low-quality dimension reduction and high-dimensional ANN*

16:30–17:00  Elizabeth Munch  
*The Cosheaf-less Reeb-graph Interleaving Distance*

17:00–17:30  Vin de Silva  
*The Cosheaf Reeb-graph Interleaving Distance*

17:30–18:00  Nina Amenta  
*Surface Patches from Unorganized Space Curves*
Friday, March 13, 2015

09:00–10:00 Video Session

10:00–10:30 Mark de Berg
   Faster DBSCAN and HDBSCAN
   in low-dimensional Euclidean spaces

10:30–11:00 Break

11:00–12:00 Discussions

12:00– Lunch & Departure