

## Monday, March 4, 2013

- 09:00–09:30 Xavier Goaoc  
*Simplifying inclusion-exclusion formulas*
- 09:30–10:00 Yoshio Okamoto  
*Improved Approximation for Geometric Unique Coverage Problems*
- 10:00–10:30 Rolf Klein  
*An upper complexity bound to order- $k$  abstract Voronoi diagrams*
- 10:30–11:00 Break
- 11:00–11:30 Marcel Roeloffzen  
*Black-box kinetic data structures*
- 11:30–12:00 Antoine Vigneron  
*A Faster Algorithm for Computing Motorcycle Graphs*
- 12:00–04:00 Lunch
- 04:00–04:30 Jörg R. Sack  
*Alpha-visibility*
- 04:30–05:00 Yusu Wang  
*Understanding the Gaussian-weighted graph Laplace operator*
- 05:00–05:30 Suresh Venkatasubramanian  
*Reverse line stabbing in galleries*
- 05:30–06:00 Lena Schlipf  
*Convex Transversals*
- 19:15 Open problem session

## Tuesday, March 5, 2013

- 09:00–09:30 Siu-Wing Cheng  
*Approximate shortest descending paths*
- 09:30–10:00 Anne Driemel  
*Geometric input models*
- 10:00–10:30 Matya Katz  
*Bottleneck Non-Crossing Matching in the Plane*
- 10:30–11:00 Break
- 11:00–11:45 Micha Sharir  
*Delaunay and other triangulations of moving point sets:  
What's going on?*
- 12:00–04:00 Lunch
- 04:00–04:30 Ludmila Scharf  
*On parallel algorithms*
- 04:30–05:00 Jeff Erickson  
*Hex-meshing things with topology*
- 05:00–05:30 Tamal Dey  
*Graph-induced complex on point data*
- 05:30–06:00 Alon Efrat  
*VC-dimension of networks*

## Wednesday, March 6, 2013

- 09:00–09:30 Maïke Buchin  
*On the trajectory grouping structure*
- 09:30–10:00 Pankaj Agarwal  
*Random race-tracks*
- 10:00–10:30 Dominique Attali  
*Geometry-driven collapses for simplifying Čech-complexes*
- 10:30–11:00 Break
- 11:00–11:45 Herman Haverkort  
*Geometric properties of space-filling curves*
- 12:00– Lunch & Excursion

## Thursday, March 7, 2013

- 09:00–09:30 David Mount  
*Output-sensitive well-separated pair decomposition for dynamic point sets*
- 09:30–10:00 Sándor Fekete  
*Computational geometry and robots: two videos*
- 10:00–10:30 Boris Aronov  
*Fast point location for easy points*
- 10:30–11:00 Break
- 11:00–11:30 Menelaos Karavelas  
*Qualitative symbolic perturbations*
- 11:30–12:00 Joachim Gudmundsson  
*Frechét queries*
- 12:00–04:00 Lunch
- 04:00–04:30 Hans Raj Tiwary  
*Extended formulations for polytopes*
- 04:30–05:00 Kevin Buchin  
*Four Soviets walk the dog*
- 05:00–05:30 Fabian Stehn  
*Towards elastic shape matching*
- 05:30–06:00 Raimund Seidel  
*Counting triangulations*

## Friday, March 8, 2013

- 09:00–09:30 Kurt Mehlhorn  
*From root approximation to root isolation  
with an application to cylindrical algebraic decomposition*
- 09:30–10:00 Eric Berberich  
*Exact symbolic-numeric computation of planar algebraic curves*
- 10:00–10:30 Guillaume Moroz  
*On numerical algorithms for the topology of  
curves with simple singularities*
- 10:30–11:00 Break
- 11:00–11:30 Marc Glisse  
*Random hypergraphs and small silhouettes*
- 12:00– Lunch & Departure