

Workshop

“Massive Data Models and Computational Geometry”

September 23 – 27, 2023

organized by

Mark de Berg, Anne Driemel, Robert Krauthgamer, Morteza Monemizadeh

• Monday, September 23

08:45 - 09:00	<i>Self Registration</i>
09:00 - 09:10	Opening; introduction to the center
09:10 - 10:00	Participants briefly introduce themselves
10:00 - 11:00	Open-problem session I: presentations
11:00 - 11:30	<i>Coffee & Tea Break</i>
11:30 - 12:45	Open-problem Session II: open stage
12:45 - 14:00	<i>Lunch on your own</i>
14:00 - 15:30	Work in groups
15:30 - 16:00	<i>Coffee & Tea Break</i>
16:00 - 17:00	Work in groups
17:00 - ...	Wine and Cheese party

• Tuesday, September 24

09:00 - 09:45	Jeff Phillips <i>The Versatility of Mergability for Geometric Summaries on Massive Data</i>
09:45 - 10:15	<i>Coffee & Tea Break</i>
10:15 - 12:00	Work in groups

12:00 - 13:30	<i>Lunch on your own</i>
13:30 - 14:15	Pankaj Agarwal <i>Algorithms for Optimal Transport in Discrete and Semi-Discrete Settings</i>
14:15 - 15:30	Work in groups
15:30 - 16:00	<i>Coffee & Tea Break</i>
16:00 - 17:15	Work in groups
17:15 - 18:00	Group progress reports

- **Wednesday, September 25**

09:00 - 09:45	Jie Gao <i>Differentially Privacy and Discrepancy on Shortest Paths</i>
09:45 - 10:15	<i>Coffee & Tea Break</i>
10:15 - 12:00	Work in groups
12:00 - 13:30	<i>Lunch on your own</i>
13:30 - 14:30	Work in groups / Progress reports
15:00	Excursion

- **Thursday, September 26**

09:00 - 09:45	Erik Waingarten <i>Average-Case Sketches</i>
09:45 - 10:15	<i>Coffee & Tea Break</i>
10:15 - 12:00	Work in groups
12:00 - 13:30	<i>Lunch on your own</i>
13:30 - 14:15	Sepideh Mahabadi <i>TBA</i>
14:15 - 15:30	Work in groups
15:30 - 16:00	<i>Coffee & Tea Break</i>
16:00 - 17:15	Work in groups
17:15 - 18:00	Group progress reports
19:00 - 21:00	Dinner at Restaurant Olive

- **Friday, September 27**

09:00 - 09:30	David Woodruff <i>TBA</i>
09:30 - 10:00	<i>Coffee Break</i>
10:00 - 12:00	Work in groups
12:00 - 12:30	Final group reports and formal closing of workshop
12:30 - 13:30	<i>Departure</i>

All plenary sessions take place at the lecture hall (Room 0.109) of the b-it building
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