Program

This is the program for the workshop “Graph decompositions: small width, big challenges”.

**Monday**
09:30-10:00 Registration
10:00-10:15 Welcome by Lorentz Center
10:15-10:30 Workshop welcome
10:30-11:30 Michał Pilipczuk - Classic approaches to computing tree decompositions
11:30-12:00 Discussion of challenges and open problems
12:00-13:30 Lunch
13:30-14:30 Illya Hicks - Graph Decompositions and Discrete Optimization
14:30-15:00 Discussion of challenges and open problems
15:00-15:30 Coffee and tea break
15:30-16:30 Robert Ganian - Width Measures Below, Above and Beyond Treewidth
16:30-17:00 Discussion of challenges and open problems
17:00- Wine and cheese welcome party

**Tuesday**
09:00-10:00 Jesper Nederlof - Fast dynamic programming on tree decompositions (with an emphasis on rank-based methods)
10:00-10:30 Discussion of challenges and open problems
10:30-11:00 Coffee and tea break
11:00-12:00 Selection of open problems, forming of groups
12:00-13:30 Lunch
13:30-15:00 Parallel work in groups (Groups can consider informal tutorials on their problem)
15:00-15:30 Coffee and tea break
15:30-17:00 Parallel work in groups

**Wednesday**
09:00-10:00 Blair Sullivan - Bushwacking: a trail guide to decompositions in practice
10:00-10:30 Short progress update and short communication
10:30-11:00 Coffee and tea break
11:00-12:00 Parallel work in groups
12:00-13:30 Lunch
13:30-15:00 Parallel work in groups
15:30-16:00 Coffee and tea break
16:00-16:30 Short communication
18:30- Workshop dinner
Thursday
09:00-10:00 Tuukka Korhonen - FPT Algorithms for Treewidth via Local Improvement
10:00-10:30 Short progress update on group work
10:30-11:00 Coffee and tea break
11:00-12:00 Parallel work in groups
12:00-13:30 Lunch
13:30-15:00 Parallel work in groups
15:00-15:30 Coffee and tea break
15:30-18:00 Parallel work in groups

Friday
09:00-10:00 Martin Koutecky - How To Solve Integer Programs with Small Treedepth and Small Coefficients
10:00-10:30 Coffee and tea break
10:30-11:30 Parallel work in groups: final discussions and preparing reports
11:30-12:30 Detailed reports on the four Research Directions
12:30 Lunch