Graph Modification Problems
Dagstuhl seminar 14071

Current Program

MONDAY
09:00: Welcome and presentation of participants
09:15 – 10:15: Marcin Pilipczuk and Michał Pilipczuk: Subexponential parameterized complexity of completion problems, parts I and II
10:15: Coffee break
10:45 – 11:05: Marcin Pilipczuk: Subexponential parameterized complexity of completion problems, part III
11:05 – 11:40: Martin Milanic: Vector Connectivity in graphs
11:40 – 12:15: Yixin Cao: Linear recognition of almost (unit) interval graphs
12:15: Lunch
15:30: Coffee and cakes
17:00 – 18:00: Open problems session
18:00: Dinner

TUESDAY
09:00: Organizers' announcements / voting on the social program of Wednesday
09:15 – 10:00: Paul Medvedev: An introduction to genome assembly and its relation to problems on graphs
10:00: Coffee break
10:30 – 11:05: Mamadou Kanté: Enumeration of minimal dominating sets in graph classes
11:05 – 11:40: Dimitrios Thilikos: Optimal Erdös-Pósa for pumpkins revisited
11:40 – 12:15: Tinaz Ekim: Convexity in graphs
12:15: Lunch
15:30: Coffee and cakes
17:00 – 17:30: Isolde Adler: A few things about linear rankwidth
17:30 – 18:00: Open problems session contd.
18:00: Dinner

WEDNESDAY
09:00: Organizers' announcements / information on social program
09:15 – 10:00: Kristina Vuskovic: Weighted Independent Set in bull-free graphs
10:00: Coffee break
10:30 – 11:05: Martin Golumbic: Characterizations of cographs as intersection graphs of paths on a grid
11:05 – 11:40: Petr Golovach: Editing a connected graph of given degrees
11:40 – 12:15: André Nichterlein: The Complexity of Degree Anonymization in Graphs
Group photo
12:15: Lunch
Social program

THURSDAY
09:10: Organizers' announcements
09:15 – 10:00: Andreas Brandstädt: Clique separator decomposition for a subclass of hole-free graphs
10:00: Coffee break
10:30 – 11:05: Bart Jansen: Near-optimal planarization
11:05 – 11:40: Haiko Müller: Certifying FPT-algorithms
11:40 – 12:15: Archontia Giannopoulou: Polynomial kernel for Tree Deletion Set
12:15: Lunch
15:30: Coffee and cakes
17:00 - 1800: Open problems / discussion session
18:00: Dinner

FRIDAY
09:00: Closing comments / farewell
09:05 – 09:40: Erik Jan van Leeuwen: TBA
09:40 – 10:15: Neeldhara Misra: Max q-Colorable Induced Subgraph Problem on Perfect Graphs
10:15: Coffee break
10:45 – 11:15: George Mertzios: On the Recognition of Four-Directional Orthogonal Ray Graphs
11:15 – 11:45: Rémy Belmonte: Edge contraction problems with degree constraints
11:45 – 12:15: O-juong Kwon: The hierarchy of subclasses of graphs having tree-width at most two
12:15: Lunch
Departure