Theory and Applications of Graph Searching Problems. Dagstuhl Seminar no 11071

PROGRAM

MONDAY

09.00: Organizational announcements

09.10 - 10.00: Pawel Prałat, Cops and Robbers on Random Graphs

10.00-10.30: Coffee break

10.30-11.10: Peter Golovach, The complexity of Cop and Robber games

12.15: Lunch

15.30-16.00: Cake

16.00 -16.50: Athanasios Kehagias, Robotic Pursuit Evasion and Graph Search

16.50 - 17.20: Peter Widmayer, Polygon reconstruction from local observations

18.00: Dinner

19:30 - 20:00: Open Problem Session

TUESDAY

09:00 - 10:00: Dariusz Dereniowski, The price of connectivity in graph searching games

10:00 - 10:30: Coffee break

10:30 - 11:10: Boting Yang, On the Fast Edge Searching Problem

12.15: Lunch

15.30 - 16.00: Cake

16.00 - 16.50: Marcin Jurdziński, Algorithms for solving infinite games on graphs

16.50 - 17.25: Zoltán Miklos, On the complexity of CSP decompositions

17:25 - 17:50: Maria Serna, Searching Games

WEDNESDAY

09:30 - 10:00: Margaret-Ellen Messinger, An overview of The Firefighter Problem

10:00 - 10:30: Coffee break

10:30 - 11:00: Pawel Prałat, More on firefighters

11:00 - 11:30: Jan Obdržálek, Cops and Robbers on Directed Graphs

12.15: Lunch

Social Program

THURSDAY

09:30 - 10:00: Nicolas Nisse, Cop and robber games when the robber can hide and ride

10:00 - 10:30: Coffee break

10:30 - 11:00: Tomáš Valla, Complexity of the cop and robber guarding game

11:00 - 11:30: Spyros Angelopoulos, Multi-target ray searching problems

12.15: Lunch

15.30 - 16.00: Cake

16.00 - 16.30: Nancy Clarke, Characterizations of k-cop win graphs

16.30 - 17.00: Gena Hahn, Some thoughts on constrained cops-and-robbers

17:00 - 17:30: Berwanger, Dietmar, Digraph entanglement

FRIDAY

09:30 - 10:00: Andrei Krokhin, Hypergraph searching as notion justification

10:00 - 10:30: Coffee break

10:30 - 11:00: Dieter Mische, Monitoring on a Grid

11:00 - 11:20: Dimitrios M. Thilikos, LIFO-search

12.15: Lunch