Tentative Schedule
Dagstuhl Seminar 2018
Scheduling

Monday

09:00 – 09:15	Introduction round
09:15 – 10:15	**Jukka Suomela**: Locality and distributed scheduling
10:15 – 10:45	Coffee break
10:45 – 11:15	**Anupam Gupta**: Approximation Algorithms for Stochastic Scheduling and Routing
11:15 – 11:45	**Thomas Erlebach**: Optimization and Scheduling with Explorable Uncertainty
12:15 – 13:30	Lunch
13:30 – 15:30	Break
15:30 – 16:00	Coffee & Cake
16:00 – 16:30	**Gabriel Scalosub**: Queueing in the Mist: Buffering and Scheduling with Limited Knowledge
16:30 – 17:00	**Yossi Azar**: Improved Online Algorithm for Weighted Flow Time
17:00 – 17:30	**Open problems** & proposals for joint work at Dagstuhl
18:00 – 19:30	Dinner

Tuesday

09:00 – 10:00	**Jelena Diakonikolas**: Fairness, Congestion Control, and Related Open Problems
10:00 – 10:30	Coffee break
10:30 – 11:00	**Christian Scheideler**: Routing and scheduling in hybrid networks
11:00 – 11:30	**Samir Khuller**: Coflow Scheduling and Beyond
11:30 – 12:00	**Yvonne-Anne Pignolet**: Scheduling and Optimization Problems in the Wild
12:15 – 13:30	Lunch
15:30 – 16:00	Coffee & Cake
16:00 – 16:30	**Martin Skutella**: Generalizing the Kawaguchi-Kyan Bound to Stochastic Parallel Machine Scheduling
16:30 – 17:00	**Jared Saia**: Interactive Communication with Multiple Parties, or Scheduling with Noise and Feedback
17:00 – 17:30	**Sanjoy Baruah**: Scheduling Under Uncertainty In Safety-critical Systems
17:30 – 18:00	Spotlight talks:
	Marc Uetz, Michael Dinitz, ~~Jiri Sgall~~
18:00 – 19:30	Dinner

Wednesday
Joint day with Seminar 18102: Dynamic Traffic Models in Transportation Science.

09:00 – 10:00	**Neil Olver**: Equilibria in the fluid queueing model
10:00 – 10:30	Coffee
10:30 – 11:30	**Ola Svensson**: A Constant-factor Approximation Algorithm for the Asymmetric Traveling Salesman Problem
12:15 – 13:30	Lunch
meet 13:30	Hike tour – free afternoon
15:30 – 16:00	Coffee & Cake

Thursday

09:00 – 10:00	**Seth Gilbert**: How To Plan Ahead
10:00 – 10:30	Coffee break
10:30 – 11:00	**Sungjin Im**: MapReduce Models and Algorithmics
11:00 – 11:30	**Danupon Nanongkai**: Distributed Shortest Paths, Exactly
11:30 – 11:50	Spotlight talks: **Jiri Sgall, Valerie King**
12:15 – 13:30	Lunch
15:30 – 16:00	Coffee & Cake
16:00 – 16:30	**Barna Saha**: Clustering with an Oracle
16:30 – 17:00	**Fabian Kuhn**: Distributed MST and Routing in Almost Mixing Time
17:00 – 17:30	**Amit Kumar**: Constant Factor Approximation Algorithm for Weighted Flow Time on a Single Machine in Pseudo-polynomial time
17:30 – 17:50	Spotlight talks: **Frits Spieksma, Thomas Rothvoss**
18:00 – 19:30	Dinner

Friday

09:00 – 09:30	**Kevin Schewior**: Recent Advances for Online Machine Minimization
09:30 – 10:00	**Klaus Tycho-Förster**: On Scheduling Consistent Software-Defined Network Updates
10:00 – 10:30	Coffee break
10:30 – 11:00	Spotlight talks: Thomas Kesselheim, Syamantak Das
11:00 – 11:30	**Fritz Eisenbrand**: Proximity results and faster algorithms for Integer Programming using the Steinitz Lemma
12:15 – 13:30	Lunch
End	