

Workshop on Combinatorial Reconfiguration, affiliated with ICALP 2022

(Hybrid mode, July 4, 2022)

CEST: UTC+2		
start	finish	Talks
9:30	9:50	Henning Fernau, Petra Wolf A Basic Reconfiguration Problem in Automata Theory
9:50	10:10	Takehiro Ito, Yuni Iwamasa, Naonori Kakimura, Naoyuki Kamiyama, Yusuke Kobayashi, Shun-ichi Maezawa, Yuta Nozaki, Yoshio Okamoto, Kenta Ozeki Monotone Edge Flips to an Orientation of Maximum Edge-Connectivity à la Nash-Williams
10:10	10:30	Volker Turau, Christoph Weyer Sharp Upper Bounds for Reconfiguration Sequences of Independent Sets in Trees
10:30	11:00	Coffee Break (30 min)
11:00	11:20	Arun Kumar Das, Sandip Das, Guilherme Dias da Fonseca, Yan Gerard, Bastien Rivier Complexity Results on Untangling Red-Blue Matchings
11:20	11:40	Mikkel Abrahamsen, Tzvika Geft, Dan Halperin, Yonatan Nakar Tractability Frontiers in Multi-Robot Coordination and Geometric Reconfiguration
11:40	12:30	[Invited Talk] Catherine Greenhill Markov Chains for Sampling Graphs with Given Degrees
12:30	14:00	Lunch Break (90 min)
14:00	14:20	Joshua Ani, Josh Brunner, Lily Chung, Erik D. Demaine, Yevhenii Diomidov, Linus Hamilton, Dylan Hendrickson, Jayson Lynch From Gadgets to Gizmos: Generalizing Reconfiguration in the Gadgets Framework
14:20	14:40	Oswin Aichholzer, Brad Ballinger, Therese Biedl, Mirela Damian, Erik D. Demaine, Matias Korman, Anna Lubiw, Jayson Lynch, Josef Tkadlec, Yushi Uno Reconfiguration of Non-crossing Spanning Trees
14:40	15:00	Stijn Cambie, Wouter Cames van Batenburg, Daniel W. Cranston Optimally Reconfiguring List and Correspondence Colourings
15:00	15:20	Daniel W. Cranston, Reem Mahmoud Kempe Equivalent List Colorings
15:20	15:30	CoRe Challenge 2022: Results and Award Ceremony
15:30	16:00	Coffee Break (30 min)
16:00	16:50	[Invited Talk] Amer E. Mouawad Token Sliding is Fixed-Parameter Tractable on Graphs of Bounded Treewidth
16:50	17:10	Hugo A. Akitaya, Andrei Gonczi, Diane L. Souvaine, Csaba D. Tóth, Thomas Weighill Reconfiguration of Polygonal Subdivisions via Recombination
17:10	17:30	Rahnuma Islam Nishat, Venkatesh Srinivasan, Sue Whitesides The Hamiltonian Path Graph is Connected for Simple s, t Paths in Rectangular Grid Graphs

invited talk including discussion = 50 minutes each

contributed talk including discussion = 20 minutes each