

WG 2016

42nd International Workshop on
Graph-Theoretic Concepts in Computer Science
Boğaziçi University, Istanbul, Turkey



Conference program

June 21 – June 24, 2016

Tuesday June 21

18:00-22:00	Welcome reception and registration in Taksim Point Hotel, top floor
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Wednesday June 22

08:30-09:00	Registration desk open, Boğaziçi University, Engineering Building, top floor
09:00-09:15	Opening of the conference by the president of Boğaziçi University, Professor Gülay Barbarosoğlu, and the organizers
09:15-10:15	Invited talk <i>Dominique de Werra</i> Minimal reinforcement of edges: a problem of reliability in graphs
10:15-10:45	Coffee break
10:45-11:10	<i>Andreas Brandstädt and Raffaele Mosca</i> Weighted Efficient Domination for P_5 -Free and for P_6 -Free Graphs
11:10-11:35	<i>Frédéric Maffray and Lucas Pastor</i> The maximum weight stable set problem in (P_6, bull) -free graphs
11:35-12:00	<i>Mitre C. Dourado, Lucia Penso and Dieter Rautenbach</i> Geodetic convexity parameters for graphs with few short induced paths
12:00-12:25	<i>Katerina Bohmova, Jérémie Chalopin, Matúš Mihalák, Guido Proietti and Peter Widmayer</i> Sequence Hypergraphs: Directed Colored Graphs s.t. Color Forms Path
12:25-14:00	Lunch
14:00-14:25	<i>Linda Kleist</i> Drawing Planar Graphs with Prescribed Face Areas
14:25-14:50	<i>Archontia Giannopoulou, O-Joung Kwon, Jean-Florent Raymond and Dimitrios Thilikos</i> Packing and covering immersion models of planar subcubic graphs
14:50-15:15	<i>Kunal Dutta and Arijit Ghosh</i> On subgraphs of bounded degeneracy in hypergraphs
15:15-15:40	<i>Rajesh Chitnis, Lior Kamma and Robert Krauthgamer</i> Tight Bounds for Gomory-Hu-like Cut Counting
15:40-16:10	Coffee break
16:10-16:35	<i>Édouard Bonnet, Nick Brettell, O-Joung Kwon and Dániel Marx</i> Parameterized vertex deletion problems for hereditary graph classes with a block property
16:35-17:00	<i>Fedor Fomin and Torstein Strømme</i> Vertex Cover Structural Parameterization Revisited
17:00-17:25	<i>Eric Angel, Evripidis Bampis, Bruno Escoffier and Michael Lampis</i> Parameterized Power Vertex Cover

Thursday June 23

08:30-09:00	Registration desk open, Boğaziçi University, Engineering Building, top floor
09:00-10:00	Invited talk <i>Kavitha Telikepalli</i> Popular Matchings
10:00-10:30	Coffee break
10:30-10:55	<i>Emile Ziedan, Deepak Rajendraprasad, Rogers Mathew, Martin Charles Golumbic and Jeremie Dusart</i> Induced separation dimension
10:55-11:20	<i>Pedro Montealegre and Ioan Todinca</i> Distance-d Independent Set and other problems in graphs with "few" minimal separators
11:20-11:45	<i>Yixin Cao, Jianxin Wang and Jie You</i> Approximate Association via Dissociation
11:45-12:10	<i>Martin Pergel and Paweł Rzqżewski</i> On edge intersection graphs of paths with 2 bends
12:10-13:45	Lunch
13:45-14:10	<i>Mingyu Xiao and Shaowei Kou</i> Almost Induced Matching: Linear Kernels and Parameterized Algorithms
14:10-14:35	<i>Ondrej Suchy</i> On Directed Steiner Trees with Multiple Roots
14:35-15:00	<i>Leizhen Cai and Junjie Ye</i> Finding Two Edge-Disjoint Paths with Length Constraints
15:30-19:00	Boat trip along Bosphorus The boat will pick us up from the coast close to the university lower entrance. We will walk altogether from the conference location to the boat. Refreshments and snacks will be served on the boat.
19:30-23:30	Banquet dinner Back from the boat we will walk back to the university and have dinner at the Kennedy Lodge on campus. <i>The best paper awards will be handed out at the banquet dinner.</i> Note that the last metro departure from Boğaziçi University / Hisarüstü station is at midnight. There is a taxi stand next to the university upper entrance.

Friday June 24

08:30-09:00	Registration desk open, Boğaziçi University, Engineering Building, top floor
09:00-10:00	Invited talk <i>Saket Saurabh</i> Lossy Kernelization
10:00-10:30	Coffee break
10:30-10:55	<i>Bruno Escoffier</i> Saving colors and Max Coloring: some fixed-parameter tractability results
10:55-11:20	<i>Sudeshna Kolay, Ragukumar Pandurangan, Fahad Panolan, Venkatesh Raman and Prafullkumar Tale</i> Harmonious Coloring: Parameterized Algorithms and Upper bounds
11:20-11:45	<i>Didem Gözüpek, Sibel Özkan, Christophe Paul, Ignasi Sau and Mordechai Shalom</i> Parameterized complexity of the MINCCA problem on graphs of bounded decomposability
11:45-12:10	<i>M. S. Ramanujan</i> A Faster Parameterized Algorithm for Group Feedback Edge Set
12:10-13:45	Lunch
13:45-14:10	<i>Jan Goedgebeur and Oliver Schaudt</i> Exhaustive generation of k -critical \mathcal{H} -free graphs
14:10-14:35	<i>Feodor Dragan, Ekkehard Köhler and Hend Alrasheed</i> Eccentricity Approximating Trees
14:35-15:00	<i>Michał Dębcki, Zbigniew Lonc and Paweł Rzążewski</i> Sequences of radius k for complete bipartite graphs
15:00-15:15	Closing remarks and end of conference