

APPROX 2023 – Tentative Schedule

Monday, September 11th	
10:40-11:00	Coffee Break
11:00-11:20	Zachary Friggstad and Ramin Mousavi: <i>A Constant-Factor Approximation for Quasi-bipartite Directed Steiner Tree on Minor-Free Graphs</i>
11:20-11:40	Ishan Bansal, Joe Cheriyan, Logan Grout and Sharat Ibrahimpur: <i>Algorithms for 2-connected network design and flexible Steiner trees with a constant number of terminals</i>
11:40-12:00	Josefine Foos, Stephan Held and Yannik Spitzley: <i>Tighter Approximation for the Uniform Cost-Distance Steiner Tree Problem</i>
12:00-12:20	Elena Grigorescu, Nithish Kumar and Young-San Lin: <i>Approximation Algorithms for Directed Weighted Spanners</i>
12:20-14:00	Lunch Break
14:00-15:00	Invited Plenary Talk RANDOM
15:20-15:50	Coffee Break
15:50-16:10	Danish Kashaev and Guido Schaefer: <i>Round and Bipartize for Vertex Cover Approximation</i>
16:10-16:30	Anupam Gupta, Amit Kumar and Debmalya Panigrahi: <i>Efficient Algorithms and Hardness Results for the Weighted k-server Problem</i>
16:30-16:50	Alexander Golovnev, Siyao Guo, Spencer Peters and Noah Stephens-Davidowitz: <i>The (im)possibility of simple search-to-decision reductions for approximation problems</i>
16:50-17:10	Lap Chi Lau, Robert Wang and Hong Zhou: <i>Experimental Design for Any p-Norm</i>
Tuesday, September 12th	
09:00-09:20	Noah Singer: <i>Oblivious algorithms for the Max-kAND problem</i>
09:20-09:40	Eden Chlamtac, Yury Makarychev and Ali Vakilian: <i>Approximating Red-Blue Set Cover and Minimum Monotone Satisfying Assignment</i>
09:40-10:00	Karthekeyan Chandrasekaran and Weihang Wang: <i>Approximating submodular k-partition via principal partition sequence</i>
10:00-10:20	Chandra Chekuri and Kent Quanrud: <i>Independent Sets in Elimination Graphs with a Submodular Objective</i>
10:20-10:40	Mark de Berg, Arpan Sadhukhan and Frits Spieksma: <i>Stable Approximation Algorithms for Dominating Set and Independent Set</i>
10:40-11:00	Coffee Break
11:00-12:20	RANDOM
12:20-14:00	Lunch Break
14:00-15:20	Joint APPROX-RANDOM Session
14:00-14:20	Kalen R Patton, Matteo Russo and Sahil Singla: <i>Submodular Norms with Applications to Online Facility Location and Stochastic Probing</i>
14:20-14:40	Shuchi Chawla, Evangelia Gergatsouli, Jeremy McMahan and Christos Tzamos: <i>Approximating Pandora's Box with Correlations</i>
14:40-15:00	Xi Chen, Yaonan Jin, Tim Randolph, Rocco A. Servedio: <i>Subset Sum in time $\\$2^{\{n/2\}} / \text{poly}(n)\\$</i>
15:00-15:20	Jeremiah Blocki, Elena, Tamalika Mukherjee, Samson Zhou: <i>How to Make Your Approximation Algorithm Private: A Black-Box Differentially-Private Transformation for Tunable Approximation Algorithms of Functions with Low Sensitivity</i>

15:20-15:50	Coffee Break
15:50-16:10	Amir Abboud, Mohammadhossein Bateni, Vincent Cohen-Addad, Karthik C: S: and Saeed Seddighin: <i>On Complexity of 1-Center in Various Metrics</i>
16:10-16:30	Tanvi Bajpai and Chandra Chekuri: <i>Bicriteria Approximation Algorithms for Priority Matroid Median</i>
16:30-16:50	Morteza Monemizadeh: <i>Facility Location in the Sublinear Geometric Model</i>
Wednesday, September 13th	
09:00-09:20	Nikhil Ayyadevara, Nikhil Bansal and Milind Prabhu: <i>On Minimizing Generalized Makespan on Unrelated Machines</i>
09:20-09:40	George Karakostas and Stavros Kolliopoulos: <i>Approximation algorithms for maximum weighted throughput on unrelated machines</i>
09:40-10:00	Ilan Doron-Arad, Ariel Kulik and Hadas Shachnai: <i>An AFPTAS for Bin Packing with Partition Matroid via a New Method for LP Rounding</i>
10:00-10:20	Felix Höhne and Rob van Stee: <i>A 10/7-approximation for discrete bamboo garden trimming and continuous trimming on star graphs</i>
10:20-10:40	Lindsey Deryckere and Seeun William Umboh: <i>Online Matching with Set and Concave Delays</i>
10:40-11:00	Coffee Break
11:00-12:00	Invited Plenary Talk APPROX Jan Vondrak: <i>Welfare and Fairness in Combinatorial Allocation Problems</i>
12:20-14:00	Lunch Break
14:00-15:20	Joint APPROX-RANDOM Session
14:00-14:20	Matej Lieskovský, Jiří Sgall and Andreas Emil Feldmann: <i>Approximation Algorithms and Lower Bounds for Graph Burning</i>
14:20-14:40	Kamesh Munagala, Govind S: Sankar and Erin Taylor: <i>Probabilistic Metric Embedding via Metric Labeling</i>
14:40-15:00	Sepehr Assadi, Michael Kapralov, Huacheng Yu: <i>On Constructing Spanners from Random Gaussian Projections</i>
15:00-15:20	Rubi Arviv, Lily Chung, Reut Levi, Edward Pyne: <i>Improved Local Computation Algorithms for Constructing Spanners</i>
15:20-15:50	Coffee Break
15:50-16:10	Anita Dürr, Nicolas El Maalouly and Lasse Wulf: <i>An Approximation Algorithm for the Exact Matching Problem in Bipartite Graphs</i>
16:10-16:30	Sepideh Mahabadi and Shyam Narayanan: <i>Improved Diversity Maximization Algorithms for Matching and Pseudoforest</i>
16:30-16:50	Yiduo Ke, Samir Khuller and Quanquan C: Liu: <i>Scalable Auction Algorithms for Bipartite Maximum Matching Problems</i>