

## MONDAY 8/16

Time (PDT)	Time (CET)	APPROX		RANDOM	
8-8:40am	5pm-5:40pm	APPROX session 1 Chair: Laura Sanità		RANDOM session 1 Chair: Clément Canonne	
		APPROX opening remarks		On the Probabilistic Degree of an n-variate Boolean Function	Srikanth Srinivasan and S. Venkitesh
		Approximation Algorithms for Demand Strip Packing -- Peak Demand Minimization via Sliced Strip Packing	Waldo Gálvez, Fabrizio Grandoni, Afrouz Jabal Ameli and Kamyar Khodamoradi -- Max A. Deppert, Klaus Jansen, Arindam Khan, Malin Rau and Malte Tutas	Fourier growth of structured $F_2$ -polynomials and applications	Jaroslaw Blasiok, Peter Ivanov, Yaonan Jin, Chin Ho Lee, Rocco Servedio and Emanuele Viola
		Tight Approximation Algorithms for Geometric Bin Packing with Skewed Items	Arindam Khan and Eklavya Sharma	Lower Bounds for XOR of Correlations	Uma Girish, Ran Raz and Wei Zhan
		Truly asymptotic lower bounds for online vector bin packing	János Balogh, Ilan Cohen, Leah Epstein and Asaf Levin	Parallel Repetition for the GHZ Game: A Simpler Proof	Uma Girish, Justin Holmgren, Kunal Mittal, Ran Raz and Wei Zhan
8:40-9am	5:40-6pm	Discussion		Discussion	
9-10am	6pm-7pm	Invited Talk: Jelani Nelson Chair: Andrea Lincoln			
10:20-11:10am	7:20-8:10pm	APPROX session 2 Chair: Tobias Mömke		RANDOM session 2 Chair: Karthik Chandrasekaran	
		Hitting Weighted Even Cycles in Planar Graphs	Alexander Göke, Jochen Koenemann, Matthias Mnich and Hao Sun	On the Robust Communication Complexity of Bipartite Matching	Sepehr Assadi and Soheil Behnezhad
		A Constant-factor Approximation for Weighted Bond Cover	Eun Jung Kim, Euiwoong Lee and Dimitrios Thilikos	The Power of Choice for $\mathbb{K}$ -Colorability of Random Graphs	Varsha Dani, Diksha Gupta and Thomas Hayes
		Fast Approximation Algorithms for Bounded Degree and Crossing Spanning Tree Problems	Chandra Chekuri, Kent Quanrud and Manuel Torres	Improved bounds for coloring locally sparse hypergraphs	Fotis Iliopoulos
		Online Directed Spanners and Steiner Forests	Elena Grigorescu, Young-San Lin and Kent Quanrud	Matroid Intersection: A pseudo-deterministic parallel reduction from search to weighted-decision	Sumanta Ghosh and Rohit Gurjar
		6 Bag-of-Tasks Scheduling on Related Machines	Anupam Gupta, Amit Kumar and Sahil Singla	A new notion of commutativity for the algorithmic Lovasz Local Lemma	David Harris, Fotis Iliopoulos and Vladimir Kolmogorov
11:10-11:30am	8:10-8:30pm	Discussion		Discussion	
11:30-12:10pm	8:30-9:10pm			RANDOM session 3 Chair: Dean Doron	
				Ideal-theoretic Explanation of Capacity-achieving Decoding	Siddharth Bhandari, Prahladh Harsha, Mrinal Kumar and Madhu Sudan
				Visible Rank and Codes with Locality	Omar Alrabiah and Venkatesan Guruswami
				Candidate Tree Codes via Pascal Determinant Cubes	Inbar Ben Yaacov, Gil Cohen and Anand Kumar Narayanan
				Improved Product-Based High-Dimensional Expanders	Louis Golowich
12:10-12:30pm	9:10pm-9:30pm			Discussion	

**\*Note:** Due to a time zone mix-up, an earlier version of this schedule had the wrong times in CET. Please double-check the time since it might have changed!

## TUESDAY 8/17

Time (PDT)	Time (CET)	APPROX		RANDOM	
8-8:40am	5pm-5:40pm	APPROX session 3 Chair: Laura Sanità		RANDOM session 4 Chair: Andrea Lincoln	
		Upper and Lower Bounds for Complete Linkage in General Metric Spaces	Anna Arutyunova, Anna Großwendt, Heiko Röglin, Melanie Schmidt and Julian Wargalla	On the Structure of Learnability beyond P/poly	Ninad Rajgopal and Rahul Santhanam
		Min-Sum Clustering (with Outliers)	Sandip Banerjee, Rafail Ostrovsky and Yuval Raban	Memory-Sample Lower Bounds for Learning Parity with Noise	Sumegha Garg, Pravesh K. Kothari, Pengda Liu and Ran Raz
		Hardness of Approximation for Euclidean k-Median	Anup Bhattacharya, Dishant Goyal and Ragesh Jaiswal	Decision tree heuristics can fail, even in the smoothed setting	Guy Blanc, Jane Lange, Mingda Qiao and Li-Yang Tan
		Connected $k\$$ -partition of $k\$$ -connected graphs and $\$$ -claw-free graphs	Ralf Borndörfer, Katrin Casel, Davis Issac, Aikaterini Niklanovits, Stephan Schwartz and Ziena Zeif	On the Hardness of Average-case k-SUM	Zvika Brakerski, Noah Stephens-Davidowitz and Vinod Vaikuntanathan
8:40-9am	5:40-6pm	Discussion		Discussion	
9-10am	6pm-7pm	Joint Social Event ☺			
10:20-11:10am	7:20-8:10pm	APPROX session 4 Chair: Umang Bhaskar		RANDOM session 5 Chair: Dean Doron	
		On Approximate Envy-Freeness for Indivisible Chores and Mixed Resources	Umang Bhaskar, Sricharan A R and Rohit Vaish.	The Product of Gaussian Matrices is Close to Gaussian	Yi Li and David P. Woodruff
		Matching Drivers to Riders: A Two-stage Robust Approach	Omar El Housni, Vineet Goyal, Clifford Stein and Oussama Hanguir	Singularity of random integer matrices with large entries	Sankeerth Rao Karingula and Shachar Lovett
		Approximating Two-Stage Stochastic Supplier Problems	Brian Brubach, Nathaniel Grammel, David G. Harris, Aravind Srinivasan, Leonidas Tsepenekas and Anil Vullikanti	Smoothed analysis of the condition number under low-rank perturbations	Rikhav Shah and Sandeep Silwal
		Revenue Maximization in Transportation Networks	Kshipra Bhawalkar, Manish Purohit and Kostas Kollias	Distance Estimation Between Unknown Matrices Using Sublinear Projections on Hamming Cube	Arijit Bishnu, Arijit Ghosh and Gopinath Mishra
		General Knapsack Problems in a Dynamic Setting	Yaron Fairstein, Ariel Kulik, Seffi Naor and Dan Raz	L1 Regression with Lewis Weights Subsampling	Aditya Parulekar, Advait Parulekar and Eric Price
11:10-11:30am	8:10-8:30pm	Discussion		Discussion	
11:30-12:10pm	8:30-9:10pm			RANDOM session 6 Chair: Sarah Cannon	
				From Coupling to Spectral Independence and Blackbox Comparison with the Down-Up Walk	Kuikui Liu
				Fast mixing via polymers for random graphs with unbounded degree	Andreas Galanis, Leslie Ann Goldberg and James Stewart
				The Critical Mean-field Chayes-Machta Dynamics	Antonio Blanca, Alistair Sinclair and Xusheng Zhang
				The Swendsen-Wang Dynamics on Trees	Antonio Blanca, Zongchen Chen, Daniel Stefankovic and Eric Vigoda
12:10-12:30pm	9:10pm-9:30pm			Discussion	

## WEDNESDAY 8/18

Time (PDT)	Time (CET)	APPROX		RANDOM	
8-8:40am	5pm-5:40pm	APPROX session 5 Chair: Umang Bhaskar		RANDOM session 7 Chair: Michael Kapralov	
		Query Complexity of Global Minimum Cut	Arijit Bishnu, Arijit Ghosh, Gopinath Mishra and Manaswi Paraashar	Testing Hamiltonicity (and other problems) in Minor-Free Graphs	Reut Levi and Nadav Shoshan
		An Optimal Algorithm for Triangle Counting	Rajesh Jayaram and John Kallaugher	Decomposition-Optimal Algorithms for Counting and Sampling Arbitrary Subgraphs in Sublinear Time	Amartya Shankha Biswas, Talya Eden and Ronitt Rubinfeld
		Streaming approximation resistance of every ordering CSP	Noah Singer, Madhu Sudan and Santhoshini Velusamy	Interplay between Graph Isomorphism and Earth Mover's Distance in the Query and Communication Worlds	Sourav Chakraborty, Arijit Ghosh, Gopinath Mishra and Sayantan Sen
		Fine-Grained Completeness for Optimization in P	Alejandro Cassis, Nick Fischer, Karl Bringmann and Marvin Künnemann	Sampling Multiple Edges Efficiently	Talya Eden, Saleet Mossel and Ronitt Rubinfeld
8:40-9am	5:40-6pm	Discussion		Discussion	
9-10am	6pm-7pm	Invited talk: Vera Traub Chair: Laura Sanit�			
10:20-11:10am	7:20-8:10pm	APPROX session 6 Chair: Tobias M�nke		RANDOM session 8 Chair: Ranprasad Saptharishi	
		An Estimator for Matching Size in Low Arboricity Graphs with Two Applications	Hossein Jowhari.	Hitting Sets for Orbits of Circuit Classes and Polynomial Families	Chandan Saha and Bhargav Thankey
		Secretary Matching Meets Probing with Commitment	Calum MacRury, Allan Borodin and Akash Rakheja	Improved Hitting Set for Orbit of ROABPs	Vishwas Bhargava and Sumanta Ghosh
		Optimal Algorithms for Online $b$ -Matching with Variable Vertex Capacities	Susanne Albers and Sebastian Schubert	Better Pseudodistributions and Derandomization for Space-Bounded Computation	William Hoza
		Semi-Streaming Algorithms for Submodular Function Maximization under $b$ -Matching Constraint	Chien-Chung Huang and Fran�ois Sellier	Pseudorandom Generators for Read-Once Monotone Branching Programs	Dean Doron, Raghu Meka, Omer Reingold, Avishay Tal and Salil Vadhan
		On Two-pass Streaming Algorithms for Maximum Bipartite Matching	Christian Konrad and Kheeran Naidu.	Deterministic approximate counting of polynomial threshold functions via a derandomized regularity lemma	Rocco Servedio and Li-Yang Tan
11:10-11:30am	8:10-8:30pm	Discussion		Discussion	

**THE END!**