

Day 2: Tuesday November 7, 2023

🕒	Track A (Sequoia A-B)	Track B (Sequoia C)	Track C (Sequoia D)
7:30 - 9:00	Registration		
9:00 - 10:15	Workshop: Exploring The Frontiers Of Adaptive Robustness	Workshop: Online Algorithms And Online Rounding: Recent Progress	Workshop: Algorithmic Aspects Of High-Dimensional Probabilistic Models
10:15 - 10:35	Break		
10:35 - 11:50	Session 5A	Session 5B	Session 5C
	Fourier Growth of Communication Protocols for XOR Functions <i>Uma Girish (Princeton University); Makrand Sinha (Simons Institute and UC Berkeley); Avishay Tal, Kewen Wu (University of California Berkeley)</i>	Lipschitz Continuous Algorithms for Graph Problems <i>Soh Kumabe (The University of Tokyo); Yuichi Yoshida (National Institute of Informatics)</i>	Improved Streaming Algorithms for Maximum Directed Cut via Smoothed Snapshots <i>Raghuvansh Saxena (Microsoft Research); Noah Singer (Carnegie Mellon University); Santhoshini Velusamy, Madhu Sudan (Harvard University)</i>
	SAT Reduces to the Minimum Circuit Size Problem with a Random Oracle <i>Rahul Ilango (MIT)</i>	Compressing CFI Graphs and Lower Bounds for the Weisfeiler-Leman Refinements <i>Martin Grohe (RWTH Aachen University); Moritz Lichter (TU Darmstadt); Daniel Neuen (University of Bremen); Pascal Schweitzer (TU Darmstadt)</i>	Streaming Lower Bounds and Asymmetric Set-Disjointness <i>Shachar Lovett (UC San Diego); Jiapeng Zhang (University of Southern California)</i>
	Doubly-Efficient Interactive Proofs for Distribution Properties <i>Tal Herman (Weizmann Institute of Science); Guy N. Rothblum (Apple)</i>	Strong Spatial Mixing for Colorings on Trees and its Algorithmic Applications <i>Zongchen Chen, Kuikui Liu, Nitya Mani (MIT); Ankur Moitra (Math & CSAIL, MIT)</i>	Streaming Euclidean k-median and k-means with $\tilde{O}(\log n)$ Space <i>Vincent Cohen-Addad (Google Research, France); David P. Woodruff (Carnegie Mellon University); Samson Zhou (UC Berkeley and Rice University)</i>
	IOPs with Inverse Polynomial Soundness Error <i>Gal Arnon (Weizmann Institute); Alessandro Chiesa (EPFL); Eylon Yogev (Bar-Ilan University)</i>	Singular Value Approximation and Sparsifying Random Walks on Directed Graphs <i>AmirMahdi Ahmadinejad (Amazon); John Peebles (Apple); Edward Pyne (MIT); Aaron Sidford (Stanford University); Salil Vadhan (Harvard University)</i>	Hidden Permutations to the Rescue: Multi-Pass Semi-Streaming Lower Bounds for Approximate Matchings <i>Sepehr Assadi (Rutgers University and University of Waterloo); Janani Sundaresan (Rutgers University)</i>
11:50 - 1:45	Lunch (Poolside Lounge)		

1:45 - 3:00	<h2 style="text-align: center;">Best Paper Talks</h2> <p style="text-align: center;">(Sequoia A-B)</p>		
	<p style="text-align: center;">Strong Bounds for 3-Progressions <i>Zander Kelley (UIUC) and Raghu Meka (UCLA)</i></p>		
	<p style="text-align: center;">The Subspace Flatness Conjecture and Faster Integer Programming <i>Victor Reis (University of Washington) and Thomas Rothvoss (University of Washington)</i></p>		
3:00 - 3:20	<h2 style="text-align: center;">Break</h2>		
3:20 - 4:35	<h3>Session 6A</h3>	<h3>Session 6B</h3>	<h3>Session 6C</h3>
	<p>Certified Hardness vs. Randomness for Log-Space <i>Edward Pyne (MIT); Ran Raz, Wei Zhan (Princeton)</i></p>	<p>Handling Correlated Rounding Error via Preclustering: A 1.73-approximation for Correlation Clustering <i>Vincent Cohen-Addad (Google Research, France); Euiwoong Lee (University of Michigan); Shi Li (University at Buffalo); Alantha Newman (Université Grenoble Alpes)</i></p>	<p>Agnostic proper learning of monotone functions: beyond black-box correction barrier <i>Jane Lange, Arsen Vasilyan (MIT)</i></p>
	<p>Derandomization vs Refutation: A Unified Framework for Characterizing Derandomization <i>Lijie Chen (Miller Institute for Basic Research in Science, UC Berkeley); Roei Tell (The Institute for Advanced Study at Princeton NJ and the DIMACS Center at Rutgers University, NJ); Ryan Williams (MIT)</i></p>	<p>Deterministic Clustering in High Dimensional Spaces: Sketches and Approximation <i>Vincent Cohen-Addad (Google Research, France); David Saulpic (IST Austria); Chris Schwiegelshohn (Aarhus University)</i></p>	<p>Near Optimal Memory-Regret Tradeoff for Online Learning <i>Binghui Peng (Columbia University); Aviad Rubinfeld (Stanford University)</i></p>
	<p>Top-Down Lower Bounds for Depth-Four Circuits <i>Mika Göös, Artur Riazanov, Anastasia Sofronova, Dmitry Sokolov (EPFL)</i></p>	<p>The Price of Explainability for Clustering <i>Anupam Gupta, Madhusudhan Pittu (Carnegie Mellon University); Ola Svensson (EPFL); Rachel Yuan (Carnegie Mellon University)</i></p>	<p>Tight Time-Space Lower Bounds for Constant-Pass Learning <i>Xin Lyu, Avishay Tal, Hongxun Wu (UC Berkeley); Junzhao Yang (Tsinghua University)</i></p>
	<p>Toward Better Depth Lower Bounds: A KRW-like theorem for Strong Composition <i>Or Meir (University of Haifa)</i></p>		<p>Optimal PAC Bounds Without Uniform Convergence <i>Ishaq Aden-Ali, Yeshwanth Cherapanamjeri, Abhishek Shetty, Nikita Zhitovskiy (UC Berkeley)</i></p>
4:35 - 4:55	<h2 style="text-align: center;">Break</h2>		

4:55 - 6:10	Session 7A	Session 7B	TCS For All Graduating Bits
	<p>Weighted Pseudorandom Generators via Inverse Analysis of Random Walks and Shortcutting</p> <p><i>Lijie Chen (University of California at Berkeley); William Hoza (University of Chicago); Xin Lyu, Avishay Tal, Hongxun Wu (University of California at Berkeley)</i></p>	<p>Traversing combinatorial 0/1-polytopes via optimization</p> <p>Arturo Merino (TU Berlin) and Torsten Mütze (U. of Warwick)</p>	
	<p>Explicit orthogonal and unitary designs</p> <p><i>Ryan O'Donnell (Carnegie Mellon University); Rocco A. Servedio (Columbia University); Pedro Paredes (Princeton University)</i></p>	<p>The Vector Balancing Constant for Zonotopes</p> <p><i>Rainie Bozzai, Victor Reis, Thomas Rothvoss (University of Washington)</i></p>	
	<p>Polynomial-Time Pseudodeterministic Construction of Primes</p> <p><i>Lijie Chen (UC Berkeley); Zhenjian Lu (University of Oxford); Igor C. Oliveira (University of Warwick); Hanlin Ren, Rahul Santhanam (University of Oxford)</i></p>	<p>A deterministic near-linear time approximation scheme for geometric transportation</p> <p><i>Emily Fox, Jiashuai Lu (The University of Texas at Dallas)</i></p>	
	<p>Two Source Extractors for Asymptotically Optimal Entropy, and (Many) More</p> <p><i>Xin Li (Johns Hopkins University)</i></p>		
6:10 - 6:30	Break		
6:30 - 8:00	<p>Business Meeting</p> <p>(Sequoia A-B)</p>		