

Monday

9:00 - 9:30 Welcome and Introductions

9:30 - 10:10 Scott Aaronson: *BQP and the Polynomial Hierarchy*

Break

10:30 - 11:10 Rahul Santhanam: *Lower bounds against advice*

11:15 - 11:55 Valentine Kabanets: *An axiomatic approach to algebrization*

Lunch

3:30 - 4:10 Meena Mahajan: *Small-space analogues of Valiant's classes*

4:15 - 4:55 Fabian Wagner: *Isomorphism of Planar Graphs is in Log-space*

Break

5:20 - 6:00 Lance Fortnow: *Bounding rationality by discounting time*

Tuesday

9:00 - 9:40 Eli Ben-Sasson: *Affine-invariant locally testable codes have exponentially small rate*

9:40 - 10:20 Dana Moshkovitz: *The Algebraic Proof For The Low Error PCP Theorem*

Break

10:50 - 11:30 Atri Rudra: *Data Stream Algorithms for Codeword Testing*

11:35 - 12:15 Sergey Yekhanin: *Deterministic approximation algorithms for the nearest codeword problem*

Lunch

3:30 - 4:10 Ilan Newman: *The cut dimension of ℓ_1 metrics*

4:10 - 4:50 N. Variyam Vinodchandran: *Kolmogorov Complexity in Randomness Extraction*

Break

5:20 - 6:00 Bill Gasarch: *What is an Explicit Construction?*

Wednesday

9:00 - 10:00 Nitin Saxena: *Rank Bounds for Depth-3 Identities + Polynomial Identity Testing survey*

10:00 - 10:40 Ronen Shaltiel: *Typically correct derandomization*

Break

11:05 - 11:45 Zeev Dvir: *Extensions to the method of multiplicities, with applications to kakeya sets and mergers*

Afternoon: picture and hike

Thursday

9:00 - 9:40 Swastik Kopparty: *Random Graphs and the Parity Quantifier*

9:40 - 10:20 Anna Gal: *On the limitations of 3-query linear locally-decodable codes*

Break

10:50 - 11:30 Arkadev Chattopadhyay: *Linear systems over composite moduli*

11:35 - 12:15 V. Arvind: *Arithmetic Circuits and the Hadamard Product of Polynomials*

Lunch

3:30 - 4:10 Peter Bro Miltersen: *Hilbert's 13th problem and circuit complexity*

4:10 - 4:50 Michal Koucky: *A new characterization of ACC^0 and probabilistic CC^0*

Break

5:20 - 6:00 Ryan Williams: *Graph Algorithms from Group Algebra*

Friday

9:00 - 9:40 John Hitchcock : *Collapsing and separating completeness notions*

9:40 - 10:05 David Garcia-Soriano : *Learning parties in the mistake-bound model*

Break

10:35 - 11:15 Rüdiger Reischuk: *Security Levels in Steganography*

11:15 - 11:40 Farid Ablayev: *A Communication Complexity Approach to the Superposition Problem*