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 $\ell_1$ 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*