

Monday morning:

09:00: Welcome and introductions

09:45 - 9:25: Rohit Gurjar Derandomizing Isolation Lemma: A Geometric Approach

10:25: coffee break

11:00 - 11:50: Dieter van Melkebeek Derandomizing Isolation in Space-Bounded Settings

11:50: "talk to talk about" (Mike Saks)

Monday afternoon:

15:40 - 16:20 : Avishay Tal Computing Requires Larger Formulas than Approximating

16.20: break

16.40 - 17:20: Ben Lee Volk Succinct Hitting Sets and Barriers to Proving Algebraic Circuits Lower Bounds

17.20 - 18:00: Lance Fortnow Compression Complexity

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Tuesday morning:

9:00 - 9:40: Gil Cohen Recent advances in randomness extractors and their applications

9:45 - 10:25: Valentine Kabanets The uncanny usefulness of constructive proofs of pseudorandomness

10:25: coffee break

11:00 - 11:50: Jakob Nordström A Generalized Method for Resolution and Polynomial Calculus Lower Bounds

11:50 - 12:10: "talks to talk about" (Or Meir, Sasha Golovnev)

Tuesday afternoon:

16:00-16:40: Rahul Santhanam The Minimum Circuit Size Problem and Its Complexities

16:50-17:30: Eric Allender New Insights on the (Non)-Hardness of Circuit Minimization and Related Problems

17:40-18:00: "talks to talk about" (Shay Moran, Shachar Lovett)

Wednesday morning

- 9:00 - 9:30: Heribert Vollmer      Descriptive Complexity of  
Arithmetic Complexity Classes
- 9:35 - 10:15: Igor Carboni Oliveira      Unprovability of circuit upper  
bounds in Cook's theory PV
- 10:15 - 10:25: "talks to talk about" (Prahladh Harsha)
- 10:25: coffee break
- 11:00 - 11:30: Meena Mahajan      Understanding Cutting Planes for QBFs
- 11:35 - 11:55: "talks to talk about" (Pavel Hrubeš, Bruno Loff)

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Thursday morning:

- 9:00 - 9:40: Swastik Kopparty      List decoding lifted codes
- 9:45 - 10:25: Shachar Lovett      On the alphabet size needed for  
maximally recoverable codes in grid  
topologies
- 10:25: coffee break
- 11:00 - 11:40: Anindya De      Optimal mean-based algorithms for  
trace reconstruction
- 11:40 - 12:00: "talks to talk about" (Pavel Dvořák, Sourav  
Chakraborty)

Thursday afternoon:

- 16:00 - 16:30: Ramamohan Paturi      On the Fine-grained Complexity of  
One-Dimensional Dynamic Programming
- 16:30 - 17:00: Matthias Krause      On Stream Ciphers with provable  
Beyond-the-Birthday-Bound Security  
against Time-Memory-Data Tradeoff Attacks
- 17:10 - 17:50: Johan Hastad      On small-depth Frege proofs for  
Tseitin for grids
- 17:50 - 18:00: "talks to talk about" (Harry Buhrman)

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Friday morning:

- 9:10 - 9:50: Rüdiger Reischuk      Learning Residual Alternating  
Automata
- 9:50 - 10:35: Or Meir      Recent developments in high-rate locally-  
testable and locally-correctable codes
- 10:35: coffee break
- 10:50 - 11:30: Nikhil Bansal      A fast polynomial space algorithm  
for Subset Sum