Talk Schedule (as of 22.03)

The regular sessions are from 09.00 till 12.00 and from 15.15 or 15.30 till 18.00. Wednesday afternoon is reserved for a hike. The program ends Friday at noon.

Monday morning:
09.00: Welcome and introductions
09.45: Prahladh Harsha

A survey of recent advances in threshold functions
10.30: coffee break
11.00: Prahladh Harsha

Bounding the average and noise sensitivity of polynomial threshold functions
11.30: Fabian Wagner

Isomorphism and canonization of bounded treewidth graphs
Monday afternoon:
15.15: Meena Mahajan

Counting classes and the fine structure between NC^1 and L
15.45: Srikanth Srinivasan

The hardness of the noncommutative determinant
16.15: Or Meir

IP = PSPACE using error correcting codes
16.45: break
17.00: Andrew Drucker

Probabilistically checkable debates of nearly-linear size
17.30: Eric Allender

Limits on the computational power of random strings
Monday evening
19:.30: vernissage art exhibit
09.00: Paul Beame
A survey of some recent results on $A C \wedge 0$
09.45: short break
09.50: Paul Beame
How well do AC^0 circuits approximate parity?
Approximating AC^0 by "small" height decision trees.
10.20: coffee break
10.35: Beate Bollig
Randomized OBDDs for the most significant bit of multiplication
need exponential size
11.00: Anna Gal
The size and depth of layered Boolean circuits
11.30: Matthias Krause
On the preimage resistance of blockcipher-based cryptographic
hash functions
Tuesday afternoon:
15.15: Pavel Pudlak
Pseudo-random generators for group products
15.45: Thomas Watson
Pseudorandom generators for combinatorial checkerboards
16.15: Andrej Bogdanov
Pseudorandomness for read-once formulas
16.45: break
17.00: Eldar Fischer
Testing assignments for satisfying a monotone formula
17.30: Jakob Nordstrom
On the semantics of local characterizations for
linear-invariant properties
Tuesday evening:

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19.30: rump session
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Wednesday morning:
09.00: Troy Lee

A survey of some recent results in communication complexity
09.45: short break
09.50: Troy Lee

Optimal quantum algorithms go in straight lines
10.20: coffee break
10.35: Oded Regev

Quantum one-way communication can be exponentially stronger than classical communication
11.20: Oded Regev

An optimal lower bound on the communication complexity of Gap-Hamming-Distance

Thursday morning:
09.00: Eli Ben-Sasson

A survey of extractors for simple algebraic sources
09.45: short break
09.50: Eli Ben-Sasson

From affine to two-source extractors via approximate duality
10.20: coffee break
10.35: Xin Li

Improved constructons of three-source extractors
11.05: Emanuele Viola

Extractors for circuit sources
11.35: Amnon Ta-Shma

What binary codes can be obtained by concatenating AG codes with Hadamard?

Thursday afternoon:
15.30: Matthew Anderson

Derandomizing polynomial identity testing for multilinear onstant-read formulae
16.00: Markus Blaeser

Randomness efficient testing of sparse blackbox identities of unbounded degree over the reals
16.30: break
16.45: Kristoffer Arnsfelt Hansen

Learning read-constant polynomials of constant degree modulo composites
17.15: Nicole Schweikardt

Locality of AC^0-computable graph queries

Friday morning:
09.00: Robin Moser

A survey on exact algorithms for constraint satisfaction problems
09.45: short break
09.50: Robin Moser

A full derandomization of Schoening's k-SAT algorithm
10.20: coffee break
10.35: Michael Elberfeld

Algorithmic meta theorems inside logspace and their applications
11:05: Ilan Newman
Triangular rank and sampling with multiplicative errors
11.30: Philipp Woelfel

Tight lower bounds for greedy routing in uniform small world rings

