

PROGRAM

WEDNESDAY MAY 2, 2012

- 9:00 - 9:15 **Opening Remarks**
- 9:15 - 10:00 **Guy Even** - *Analysis of LP-decoding and message passing decoding using local optimality*
- 10:00 - 10:30 **Coffee break**
- 10:30 - 11:15 **Benny Chor** - *Genetic Code Symmetry and Efficient Design of GC-Constrained Coding Sequences*
- 11:15 - 12:00 **Fabio Pardi** - *Reconstructing evolutionary trees from distances*
- 12:00 - 14:00 **Lunch (to be found in restaurants around...)**
- 14:00 - 14:45 **Adi Rosén** - *Online Computation with Advice*
- 14:45 - 15:30 **Christian Konrad** - *Language and Graph Problems in the Streaming Model*
- 15:30 - 16:00 **Coffee break**
- 16:00 - 16:45 **Michel de Rougemont** - *Approximate verification and Enumeration problems*

THURSDAY MAY 3, 2012

- 9:15 - 10:00 **Boaz Patt-Shamir** - *Low-congestion distributed algorithms*
- 10:00 - 10:30 **Coffee break**
- 10:30 - 11:15 **Amos Korman** - *Ant Colonies and Distributed Computing*
- 11:15 - 12:00 **Pierre Fraigniaud** - *Distributed Decision*
- 12:00 - 14:00 **Lunch (to be found in restaurants around...)**
- 14:00 - 14:45 **Amos Fiat** - *Envy, Greed, and some other Deadly Sins*
- 14:45 - 15:30 **Raghav Kulkarni** - *Fourier spectrum of Boolean functions, Sparsity-granularity Theorem, and its application*
- 15:30 - 16:00 **Coffee break**
- 16:00 - 16:45 **Tova Milo** - *Mob Data Sourcing*
- 16:45 - 17:30 **Serge Abiteboul** - *Viewing the Web as a Distributed Knowledge Base*
- 18:30 - 21:00 **Reception (cocktail dinatoire)** - on the ground floor of the IHP

FRIDAY MAY 4, 2012

- 9:15 - 10:00 **Yossi Azar** - *Fast approximation algorithms for submodular optimization problems*
- 10:00 - 10:30 **Coffee break**
- 10:30 - 11:15 **Iordanis Kerenidis** - *Quantum and Classical Communication Complexity*
- 11:15 -12:00 **Miklos Santha** - *Quantum walks and learning graphs*
- 12:00 - 14:00 **Lunch (to be found in restaurants around...)**
- 14:00 - 14:45 **Amnon Ta-Shma** - *Algebraic constructions of randomness extractors*
- 14:45 - 15:30 **David Xiao** - *NP-hardness and cryptography*
- 15:30 - 16:00 **Coffee break**
- 16:00 - 16:45 **Uri Zwick** - *Randomized pivoting rules for the simplex algorithm*