

## PROGRAM

MONDAY MAY 25, 2015

- 9:30 - 10:00 *Registration and Coffee*
- 10:00 - 10:45 **Opening Remarks, Greetings**
- 10:45 - 11:00 *Coffee break*
- 11:00 - 11:30 **Michal Feldman** - *Combinatorial Auctions via Posted Prices*
- 11:30 - 12:00 **Miklos Santha** - *On the complexity of trial and error for constraint satisfaction problems*
- 12:00 - 12:30 **Irit Dinur** - *Old and new PCP constructions*
- 12:30 - 14:00 *Lunch (To be found on Campus. Please see our list of food courts.)*
- 14:00 - 14:30 **Serge Abiteboul** - *Turning your digital self into a knowledge base*
- 14:30 - 15:00 **Tova Milo** - *Managing General and Individual Knowledge in Crowdsourcing Applications*
- 15:00 - 15:30 **Michel de Rougemont** - *Streaming Property Testing of Visibly Pushdown Languages*
- 15:30 - 16:00 *Coffee break*
- 16:00 - 16:30 **Marc Renault** - *Paid Exchanges are Worth the Price*
- 16:30 - 17:00 **Uri Zwick** - *An improved version of the Random-Facet pivoting rule for the simplex algorithm*

## TUESDAY MAY 26, 2015

9:00 - 9:30 **Shiri Chechik** - *Approximate Distance Oracles with Improved Bounds*

9:30 - 10:00 **Dana Ron** - *On Testing Dynamic Environments*

10:00 - 10:30 **Ronitt Rubinfeld** - *Sampling Correctors*

10:30 - 11:00 *Coffee break*

11:00 - 11:30 **Benny Chor** - *Three Strikes at Protein Conservation*

11:30 - 12:00 **Gregory Kucherov** - *Efficient index-based filtering for approximate sequence search*

12:00 - 12:30 **Fabio Pardi** - *Distance-based methods in phylogenomics*

12:30 - 14:00 *Lunch (To be found on Campus. Please see our list of food courts.)*

14:00 - 14:30 **Nati Linial** - *Random simplicial complexes and why we care*

14:30 - 15:00 **Allan Borodin** - *Weakly submodular functions (or whatever you want to call it)*

15:00 - 15:30 **Yossi Azar** - *Speed Scaling in the Non-clairvoyant Model*

15:30 - 16:00 *Coffee break*

16:00 - 16:30 **Micha Sharir** - *Incidence Geometry: The New Algebraic Revolution*

16:30 - 17:00 **Doron Shaharabani** - *The Offset Filtration of Convex Objects*

20:00 - WORKSHOP DINNER

WEDNESDAY MAY 27, 2015

- 9:00 - 9:30 **Amnon Ta-Shma** - *Fully Explicit Hitting Set Generators for Low-Degree Polynomials*
- 9:30 - 10:00 **Moti Medina** - *Online Path Computation and Function Placement in SDNs*
- 10:00 - 10:30 **Boaz Patt-Shamir** - *Distributed Algorithms for Approximate Weighted Shortest Paths*
- 10:30 - 11:00 *Coffee break*
- 11:00 - 11:30 **Pierre Fraigniaud** - *Randomized Local Network Computing*
- 11:30 - 12:00 **Mor Baruch** - *Randomized Proof-Labeling Schemes*
- 12:00 - 12:30 **Ran Canetti** - *Cryptographic Software Obfuscation and Applications*
- 12:30 - 14:00 *Lunch (To be found on Campus. Please see our list of food courts.)*
- 14:00 - 14:30 **Noga Alon** - *Signrank and VC-dimension*
- 14:30 - 15:00 **Sophie Laplante** - *Relative Discrepancy Does Not Separate Information and Communication Complexity*
- 15:00 - 15:30 **Rotem Oshman** - *Using Information Theory to Understand Multi-Party Communication*
- 15:30 - 16:30 *Cakes and Farewell*

**We are thankful to the sponsors of the 4th FILOFOCS workshop:**

- The Israeli Ministry of Science, Technology and Space
- The CNRS (French National Center for Scientific Research)
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- LIAFA
- Tel-Aviv University
- I-CORE ALGO: Israeli Center of Research Excellence in Algorithms
- Modas Project (an ERC project)
- ACC: Advanced Communications Center, Tel-Aviv University