

## SIROCCO 2010

### Preliminary Program

#### Monday, June 7

17.00 Registration

19.30 Welcome Reception

#### Tuesday, June 8

9.00 Opening

9.15 **invited talk**

Communication Complexity: From Two-party to Multiparty

Eyal Kushilevitz (Technion)

10.15 Coffee Break

10.45 **Session 1**

Distributed Weighted Stable Marriage Problem

Nir Amira, Zvi Lotker and Ran Giladi (Ben Gurion U.)

Traffic Grooming in Star Networks via Matching Techniques

Ignasi Sau (Technion), Mordechai Shalom (Tel Hai College), and Shmuel Zaks (Technion)

Event Extent Estimation

Marcin Bienkowski (U. Wrocław), Leszek Gasieniec (U. Liverpool), Marek Klonowski,

Mirosław Korzeniowski (Wrocław U. of Technology) and Stefan Schmid (TU Berlin

&Telekom Labs)

12.15 **Lunch**

15.00 **Session 2**

Asynchronous deterministic rendezvous in bounded terrains

Jurek Czyzowicz (U. Québec), David Ilcinkas (LaBRI, CNRS, & U. Bordeaux), Arnaud

Labourel (LaBRI & U. Bordeaux 1 ) and Andrzej Pelc (U. Québec)

Space-Optimal Rendezvous of Mobile Agents in Asynchronous Trees

Daisuke Baba (Osaka U.), Tomoko Izumi (Ritsumeikan U.), Fukuhito Ooshita, Hirotsugu

Kakugawa and Toshimitsu Masuzawa (Osaka U.)

Mobile Robots Gathering Algorithm with Local Weak Multiplicity in Rings

Tomoko Izumi (Ritsumeikan U.), Taisuke Izumi (Nagoya Institute of Technology), Sayaka

Kamei (Hiroshima U.) and Fukuhito Ooshita (Osaka U.)

16.30 Coffee Break

17.00 Free time

19.30 Dinner

#### Wednesday 9

9.00 **Session 3**

Average Long-Lived Memoryless Consensus: The Three-Value Case

Ivan Rapaport (U. Chile) and Eric Rémila (U. Lyon)

Algorithms For Extracting Timeliness Graphs

Stéphane Devismes (VERIMAG), Carole Delporte-Gallet, Hugues Fauconnier

(LIAFA & Paris VII) and Mikel Larrea (U. Basque Country)

Distributed tree comparison with nodes of limited memory

Emanuele Fusco (Sapienza U. Rome), Andrzej Pelc (U. Québec)

10.30 Coffee Break

11.00 **Excursion and Conference Dinner**

**Thursday 10**

9.00 **Session 4**

Periodic Data Retrieval Problem in Rings Containing a Malicious Host

Rastislav Kralovic, Stanislav Miklík (Comenius U.)

A continuous, local strategy for constructing a short chain of mobile robots

Bastian Degener, Barbara Kempkes, Peter Kling and Friedhelm Meyer auf der Heide  
(Heinz Nixdorf Institute)

Multipath Spanners

Cyril Gavoille, Quentin Godfroy (U. Bordeaux) and Laurent Viennot (INRIA & U. Paris 7)

10.30 Coffee Break

11.00 **Session 5**

On the impact of local taxes in a set cover game

Bruno Escoffier (Lamsade & U. Paris Dauphine), Laurent Gourves (Lamsade) and Jerome Monnot (U. Paris Dauphine)

Towards Network Games with Social Preferences

Petr Kuznetsov and Stefan Schmid (TU Berlin & Telekom Laboratories)

12.00 **Lunch**

15.00 **Session 6**

Strong Orientations of Planar Graphs with Bounded Stretch Factor

Evangelos Kranakis, Oscar Morales Ponce (Carleton U.), Ladislav Stacho (Simon Fraser U.)

Maximum Interference of Random Sensors on a Line

Evangelos Kranakis (Carleton U.), Danny Krizanc (Wesleyan U.), Lata Narayanan  
(Concordia U.) and Ladislav Stacho (Simon Fraser U.)

16.00 Coffee Break

16.30 Free time

**Friday 11**

9.00 **Session 7**

Optimal Deterministic Ring Exploration with Oblivious Asynchronous Robots

Anissa Lamani, Maria Gradinariu Potop-Butucaru and Sebastien Tixeuil (U. Pierre & Marie Curie - Paris 6)

A Linear Time Algorithm for the Minimum Spanning Caterpillar Problem for Bounded Treewidth Graphs

Masoud Khosravani and Michael Dinneen (U. Auckland)

Fast algorithms for min independent dominating set

Bourgeois Nicolas, Bruno Escoffier and Vangelis Paschos (LAMSADE & U.Paris-Dauphine)

10.30 Closing

12.00 Lunch