

SIROCCO 2006 Programme

SUNDAY, July 2nd, 2006

14:00–18:30 – Collect Keys (Binks Building)

16.30 - Registration (Rigg Building)

18.15 - Music Recital (Rigg Building)

19:00 – Dinner for Residents (Rigg Building)

MONDAY, July 3rd, 2006

08:30 – 09:10 (Rigg Building)

09:10 - 10:10 Session 1: Invited Talk

Mobile Agent Rendezvous: A Survey ~ *Evangelos Kranakis, Danny Krizanc, Sergio Rajsbaum*

10:10 - 10:30 ~ Coffee Break

10:30 - 11:45 Session 2:

- Local Algorithms for Autonomous Robot Systems ~ *Reuven Cohen, David Peleg*
- Setting Port Numbers for Fast Graph Exploration ~ *David Ilcinkas*
- On the Existence of Truthful Mechanisms for the Minimum-cost Approximate Shortest-paths Tree Problem ~ *Davide Bilo, Luciano Guala, Guido Proietti*

11:45 - 13:00 Lunch Break

13:00 - 14:50 Session 3:

- Distributed Chasing of Network Intruders ~ *Lelia Blin, Pierre Fraigniaud, Nicolas Nisse, Sandrine Vial*
- Election in the Qualitative World ~ *Jeremie Chalopin*

Short Break (10 min – No Refreshments)

- Fast Deterministic Distributed Algorithms for Sparse Spanners ~ *Bilel Derbel, Cyril Gavoille*
- Efficient Distributed Weighted Matchings on Trees ~ *Jaap-Henk Hoepman, Shay Kutten, Zvi Lotker*

14:50 – 15:10 ~ Coffee Break

15:10 - 17:00 Session 4:

- Approximation Strategies for Routing Edge Disjoint Paths in Complete Graphs ~ *Adrian Kosowski*
- Short Labels by Traversal and Jumping ~ *Nicolas Bonichon, Cyril Gavoille, Arnaud Labourel*

Short Break (10 min – No refreshments)

- An Optimal Rebuilding Strategy For A Decremental Tree Problem ~ *Nicolas Thibault, Christian Laforest*
- Optimal Delay for Media-on-Demand with Pre-loading and Pre-buffering ~ *Amotz Bar-Noy, Richard E. Ladner, Tami Tamir*

17:00 Session 5: Open problems and Discussion

19:00 ~ Dinner for Residents

TUESDAY, July 4th, 2006

09:10 - 10:10 Session 6: *invited talk*

Adapting to Point Contention with Long-Lived Safe Agreement - *Hagit Attiya*

10:10 – 10:30 Coffee Break

10:30 - 11:45 Session 7:

- Strongly Terminating Early-Stopping k-set Agreement in Synchronous Systems with General Omission Failures ~ *Philippe Raipin Parvedy, Michel Raynal, Corentin Travers*
- On Fractional Dynamic Faults with Threshold ~ *Stefan Dobrev, Rastislav Kralovic, Richard Kralovic, Nicola Santoro*
- Discovering Network Topology in the Presence of Byzantine Faults ~ *Mikhail Nesterenko, Sebastien Tixeuil*

11:45 - 13:00 ~ Lunch Break

13:00 - 14:50 Session 8:

- Minimum Energy Broadcast and Disk Cover in Grid Wireless Networks ~ *Tiziana Calamoneri, Andrea E.F. Clementi, Miriam Di Ianni, Massimo Lauria, Angelo Monti, Riccardo Silvestri*
- 3-D Minimum Energy Broadcasting - *Alfredo Navarra*

Short Break (10 min – No refreshments)

- Average-Time Complexity Of Gossiping In Radio Networks ~ *Bogdan Chlebus, Dariusz Kowalski, Mariusz Rokicki*
- $L(h, 1, 1)$ -Labeling of Outerplanar Graphs ~ *Tiziana Calamoneri, Emanuele Fusco, Richard Tan, Paola Vocca*

14:50 – 15:10 ~ Coffee Break

15:10 - 16:35 Session 9:

- Combinatorial Algorithms for Compressed Sensing ~ *Graham Cormode, S. Muthukrishnan*
- Dynamic Asymmetric Communication - *Travis Gagie*
- How to meet in anonymous network ~ *Dariusz R. Kowalski, Adam Malinowski*

6pm ~ Conference Banquet gather outside Small Building and take coach to Ruthin Castle (depart 6.15pm sharp)

WEDNESDAY, July 5th, 2006

09:10 - 10:10 Session 10: *Invited Talk*

Sensor Networks: Distributed Algorithms Reloaded or Revolutions? ~ *Roger Wattenhofer*

10:10 – 10:30 Coffee Break

10:30 - 11:45 Session 11:

- Approximate Top-k Queries in Sensor Networks ~ *Boaz Patt-Shamir, Allon Shafir*
- Self-Stabilizing Space Optimal Synchronization Algorithms on Trees ~ *Doina Bein, Ajoy Datta, Lawrence Larmore*
- Distance-k information in self-stabilizing algorithms ~ *Wayne Goddard, Stephen T. Hedetniemi, David P. Jacobs, Vilmar Trevisan*

11: 45 Academic Sessions End

11:45 - 13:00 ~ Lunch Break