Dagstuhl Seminar on Dynamic Communication Networks
2nd Workshop of COST Action 295 "DYNAMO"
June 1-5, 2009, Dagstuhl, Germany

Scientific Program

Monday June 1st

20:00 Welcome reception

Tuesday June 2nd

07:30-08:45 Breakfast
08:45-09:00 Pierre Fraigniaud (CNRS and University Paris Diderot)
Christian Schindelhauer (University of Freiburg)
Welcome and forewords
09:00-09:30 Maria Serna (Universitat Politecnica de Catalunya)
Nash equilibria in Searching Games
09:30-10:00 Giuseppe Persiano (Università di Salerno)
Game Theory and Algorithms
10:00-10:30 Coffee break
10:30-11:00 Paul Spirakis (CTI and University of Patras)
Mediated Population Protocols
11:00-11:30 Xavier Koegler (CNRS and University Paris Diderot)
On the Convergence of Population Protocols When Population Goes to Infinity
11:30-12:00 Janna Burman (Technion)
Introducing Speed in Generalized Population Protocols
12:15 Lunch
14:00-14:30 Robert Elsaesser (University of Paderborn)
On Efficient Randomized Broadcasting in Sparse Random Networks
14:30-15:00 Francesco Pasquale (Univ. di Roma "Tore Vergata")
Information spreading in dynamic network
15:00-15:30 Hervé Bauman (University Paris Diderot)
Parsimonious flooding in dynamic graphs
15:30-16:00 Coffee break
16:00-16:30 Roger Wattenhofer (ETH Zürich)
Clock Synchronization
16:30-17:00 Boaz Patt-Shamir (Tel Aviv University)
Finding similar users in social networks
18:00 Diner

Wednesday June 3rd

07:30-08:45 Breakfast
09:00-09:30 Beat Gfeller (ETH Zurich)
Using Swap Edges To Bypass Transient Edge Failures
09:30-10:00 Thomas Erlebach (University of Leicester)
Path Splicing with Guaranteed Fault Tolerance
10:00-10:30 Coffee break
10:30-11:00 Adi Rosen (CNRS and University of Paris 11)
Approximation Algorithms for Time-Constrained Scheduling on Line Networks
11:00-11:30 Nicolas Schabanel (CNRS and Université Paris Diderot)
Non-Clairvoyant Scheduling with Precedence Constraints
11:30-12:00 Gabriel Scalosub (Technion)
Competitive Buffer Management with Packet Dependencies
12h15 Lunch
14h00-14h30 Alberto Marchetti-Spaccamela (Univ. Roma "La Sapienza")
   Price of robustness in single machine scheduling
14h30-15h00 Magnus M. Halldorsson (Reykjavik University)
   SINR Scheduling Algorithms
15h00-15h30 Dariusz Kowalski (University of Liverpool)
   Dynamic contention resolution on a multiple access channel
15h30-16h00 Coffee break
16h00-18h00 Management Committee (MC) Meeting
   Restricted to MC Members of COST Action 295
18h00 Diner

Tuesday June 4th

07h30-08h45 Breakfast
09h00-09h30 Pierre Leone (University of Geneva)
   Optimal paths and energy balance mechanisms in sensor networks
09h30-10h00 Andrea Marino (University of Florence)
   On the Spatial Node Distribution of RWP Based Mobility Models
10h00-10h30 Coffee break
10h30-11h00 Geppino Pucci (Università di Padova)
   On the Expansion and Diameter of Bluetooth-like Topologies
11h00-11h30 Zvi Lotker (Ben Gurion University of the Negev)
   Unit Disk Graph and Physical Interference Model: Putting Pieces Together
11h30-12h00 Pierluigi Crescenzi (University of Florence)
   On the Analysis of Graphs Evolving over Time: Model and Algorithm Challenges
12h15 Lunch
14h00-14h30 Leszek Gasieniec (University of Liverpool)
   Memory efficient anonymous graph exploration
14h30-15h00 Ralf Klasing (CNRS and University of Bordeaux)
   Derandomizing Random Walks in Undirected Graphs Using Locally Fair Exploration
15h00-15h30 Coffee break
15h30-16h00 Andrzej Pelc (Université du Québec en Outaouais)
   Information Processing by Mobile Agents in Networks
16h00-16h30 Pierre Fraigniaud (CNRS and University Paris Diderot)
   Universal Spatial Gossip Protocols
18h00 Diner

Friday June 5th

07h30-08h45 Breakfast
09h00-09h30 Jose Pereira (Universidade do Minho)
   Dynamic adaptation with mutable protocols
09h30-10h00 Luis Rodrigues (INESC-ID and Instituto Superior Tecnico)
   Overnesia: an Overlay Network for Virtual Super-Peers
10h00-10h30 Coffee break
10h30-11h00 Christian Scheideler (Technische Universität München)
   Self-stabilizing networks
11h00-11h30 Elad Michael Schiller (Chalmers University of Technology)
   Relocation Analysis of Stabilizing MAC Algorithms for Large-Scale Mobile Ad Hoc Networks
12h15 Lunch
14h00 End of Workshop