



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

07h30-08h45 Breakfast

08h45-09h00 **Pierre Fraigniaud** (CNRS and University Paris Diderot)

Christian Schindelhauer (University of Freiburg)

Welcome and forewords

09h00-09h30 **Maria Serna** (Universitat Politecnica de Catalunya)

Nash equilibria in Searching Games

09h30-10h00 **Giuseppe Persiano** (Università di Salerno)

Game Theory and Algorithms

10h00-10h30 Coffee break

10h30-11h00 **Paul Spirakis** (CTI and University of Patras)

Mediated Population Protocols

11h00-11h30 **Xavier Koegler** (CNRS and University Paris Diderot)

On the Convergence of Population Protocols When Population Goes to Infinity

11h30-12h00 **Janna Burman** (Technion)

Introducing Speed in Generalized Population Protocols

12h15 Lunch

14h00-14h30 **Robert Elsässer** (University of Paderborn)

On Efficient Randomized Broadcasting in Sparse Random Networks

14h30-15h00 **Francesco Pasquale** (Univ. di Roma "Tor Vergata")

Information spreading in dynamic network

15h00-15h30 **Hervé Bauman** (University Paris Diderot)

Parsimonious flooding in dynamic graphs

15h30-16h00 Coffee break

16h00-16h30 **Roger Wattenhofer** (ETH Zürich)

Clock Synchronization

16h30-17h00 **Boaz Patt-Shamir** (Tel Aviv University)

Finding similar users in social networks

18h00 Diner

Wednesday June 3rd

07h30-08h45 Breakfast

09h00-09h30 **Beat Gfeller** (ETH Zurich)

Using Swap Edges To Bypass Transient Edge Failures

09h30-10h00 **Thomas Erlebach** (University of Leicester)

Path Splicing with Guaranteed Fault Tolerance

10h00-10h30 Coffee break

10h30-11h00 **Adi Rosen** (CNRS and University of Paris 11)

Approximation Algorithms for Time-Constrained Scheduling on Line Networks

11h00-11h30 **Nicolas Schabanel** (CNRS and Université Paris Diderot)

Non-Clairvoyant Scheduling with Precedence Constraints

11h30-12h00 **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