

OPODIS 2012 Conference Program

LOCATION: Dipartimento di Informatica e Sistemistica - Via Ariosto 25

MONDAY, DECEMBER 17th		
10:00-17.00	TADDS Workshop	room: Aula Magna
10:00-17.00	Diplexity Workshop	room: A4
18:30	Welcome reception	r o o m : Auditorium
TUESDAY, DECEMBER 18th		
8:00	Registration	room:B101
8:45-9:00	Welcome addresses	room: Aula Magna
9:00-10:00	Invited Talk I - Pierre Fraigniaud <i>Distributed Local Decision and Verification</i> Session chair: Paola Flocchini	
10:00-10:30	coffee break	
10:30-11:45	Session 1 Session chair: Leonardo Querzoni	room: Aula Magna
	Amos Korman, Pierre Fraigniaud and Magnus M. Halldorsson. <i>On the Impact of Identifiers on Local Decision</i>	
	Armando Castaneda, Julien Stainer and Michel Raynal. <i>When and How Process Groups can be Used to Reduce the Renaming Space</i>	
	Vijay Garg. <i>Lattice Completion Algorithms for Distributed Computations</i>	
11:45-12:00	small coffee break	
	Session 2 Session chair: Nicolas Schiper	
	Andres Sevilla, Alberto Mozo and Antonio Fernandez	

12.00-12.50	Anta. <i>Node Sampling using Centrifugal Random Walks</i>	room: Aula Magna
	Devan Sohler, Georgios Georgiadis, Marina Papatriantafilou, Simon Claviere and Alain Bui. <i>Physarum-inspired self-biased walkers for distributed clustering</i>	
12:50-14:30	lunch break	
14.30-15.45	Session 3 Session chair: Vijay Garg	room: Aula Magna
	Mohsen Ghaffari, Seth Gilbert, Calvin Newport and Henry Tan. <i>Optimal Broadcast in Shared Spectrum Radio Networks</i>	
	Bogdan Chlebus, Dariusz Kowalski and Andrzej Pelc. <i>Electing a Leader in Multi-Hop Radio Networks</i>	
	Tomasz Jurdzinski and Dariusz Kowalski. <i>On the Complexity of Distributed Broadcasting and MDS Construction in Radio Networks</i>	
15:45-16:20	coffee break	
16.20-18.00	Session 4 Session chair: Binoy Ravindran	room: Aula Magna
	Jurek Czyzowicz, Andrzej Pelc and Melanie Roy. <i>Tree exploration by a swarm of mobile agents</i>	
	Shibata Masahiro, Ooshita Fukuhito, Kakugawa Hirotsugu, Masuzawa Toshimistu and Kawai Shinji. <i>Algorithms for partial gathering of mobile agents in asynchronous rings</i>	
	Michel Paquette and Euripides Markou. <i>Black Hole Search and Exploration in Unoriented Tori with Synchronous Scattered Finite Automata</i>	
	Klaus-Tycho Förster and Roger Wattenhofer. <i>Directed Graph Exploration</i>	
18:20-20.00	Steering Committee Meeting	room:B203
WEDNESDAY, DECEMBER 19th		

9:00-10.15	Session 5 Session chair: Paola Flocchini	room: Aula Magna
	Sascha Grau. <i>Attack-Resilient Multitree Data Distribution Topologies</i>	
	Robbert Van Renesse, Chi Ho and Nicolas Schiper. <i>Byzantine Chain Replication</i>	
10:15-10:45	coffee break	
10:45-11.15	Invited Talk II - Giuseppe Ateniese <i>The Cloud was Tipsy and Ate my Files!</i> Session chair: Roberto Baldoni	room: Aula Magna
11:15-12:00	small coffee break	
12:00-12.50	Session 6 Session chair: Bjorn Andersson	room: Aula Magna
	Trevor Brown and Hillel Avni. <i>Range Queries in Non-blocking k-ary Search Trees</i>	
	Shahar Timnat, Anastasia Braginsky, Alex Kogan and Erez Petrank. <i>Wait-Free Linked-Lists</i>	
12:50-14:30	lunch break	
14:30-15.45	Session 7 Session chair: Marina Papatriantafilou	room: Aula Magna
	Othon Michail, Ioannis Chatzigiannakis and Paul Spirakis. <i>Causality, Influence, and Computation in Possibly Disconnected Synchronous Dynamic Networks</i>	
	Joffroy Beauquier, Janna Burman, Laurent Rosaz and Brigitte Rozoy. <i>Non-deterministic Population Protocols</i>	
	Emmanuelle Anceaume, Erwan Le Merrer, Romaric Ludinard, Bruno Sericola and Gilles Straub. <i>FixMe: A Self-organizing Isolated Anomaly Detection Architecture for Large Scale Distributed Systems</i>	

15:45-16:15	coffee break	
16:00-16:30	Business Meeting	room: Aula Magna
Excursion & Banquet		
THURSDAY, DECEMBER 20th		
9:30-10:30	Invited Talk III - Antony Rowstron <i>Converged Data Centers</i> Session chair: Binoy Ravindran	room: Aula Magna
10:30-11:00	coffee break	
11:00-12:40	Session 8 Session chair: Paola Flocchini	room: Aula Magna
	Srikanth Sastry, Jennifer Welch and Josef Widder. <i>Wait-Free Stabilizing Dining Using Regular Registers</i>	
	Shlomi Dolev, Swan Dubois, Maria Gradinariu Potop-Butucaru and Sebastien Tixeul. <i>Fail-stop Resilient and Pseudo-Stabilizing Atomic Registers</i>	
	Silvia Bonomi, Andreas Klappenecker, Hyunyoung Lee and Jennifer Welch. <i>Stochastic Modeling of Dynamic Distributed Systems with Crash Recovery and its Application to Atomic Registers</i>	
12:40-13:00	concluding remark	room: Aula Magna
13:00	lunch break	