

DISC02 Program

Monday, October 28th

- 08:00 - 09:00 Registration
- 09:00 - 09:15 Opening remarks
- 09:15 - 10:10 Keynote Presentation
Building a Bridge Between Distributed Systems Theory and Commercial Practice
Brian Whetten
- 10:10 - 10:40 Break
- 10:40 - 11:55 Session 1 (chair: Dahlia Malkhi)
 - Assignment-Based Partitioning in a Condition Monitoring System
Yongqiang Huang and Hector Garcia-Molina
Winner of best student paper award
 - Minimal Byzantine Storage
Jean-Philippe Martin, Lorenzo Alvisi and Michael Dahlin
 - Tight Bounds for Shared Memory Systems Accessed by Byzantine Processes
Michael Merritt, Omer Reingold, Gadi Taubenfeld and Rebecca N. Wright
- 11:55 - 13:30 Lunch
- 13:30 - 14:45 Session 2 (chair: Faith Fich)
 - Distributed Agreement and its Relation with Error-Correcting Codes
Roy Friedman, Achour Mostéfaoui, Sergio Rajsbaum and Michel Raynal
 - Condition-Based Protocols for Set Agreement Problems
Achour Mostéfaoui, Sergio Rajsbaum, Michel Raynal and Matthieu Roy
and
Wait-Free n-set Consensus when Inputs are Restricted
Hagit Attiya and Zvi Avidor
 - An Efficient Universal Construction for Message-Passing Systems
Partha Dutta, Svend Frølund, Rachid Guerraoui and Bastian Pochon
- 14:45 - 15:15 Break
- 15:15 - 16:40 Session 3 (chair: Michael Merritt)
 - Clock Synchronization using Packet Streams (BA)
Philipp Blum and Lothar Thiele
 - Secure Computation Without Agreement
Shafi Goldwasser and Yehuda Lindell
 - Ruminations on Domain-Based Reliable Broadcast
Svend Frølund and Fernando Pedone
 - Early-Delivery Dynamic Atomic Broadcast
Ziv Bar-Joseph, Idit Keidar and Nancy Lynch
- 16:40 - 17:30 Business meeting
- 18:15 Reception at the City hall
- 19:00 Dinner (on your own)

Tuesday, October 29th

- 09:00 - 10:15 Session 4 (chair: Roy Friedman)
 - Simple Wait-free Multireader Registers
Paul Vitányi
 - A Practical Multi-Word Compare-and-Swap Operation
Timothy L. Harris, Keir Fraser and Ian A. Pratt
 - The Repeat Offender Problem: A Mechanism for Supporting Dynamic-Sized, Lock-Free Data Structures
Maurice Herlihy, Victor Luchangco and Mark Moir
- 10:15 - 10:45 Break
- 10:45 - 12:10 Session 4 (chair: Nancy Lynch)
 - Shifting Arguments Without Global Time (BA)
Jerry James, Jed Miodowicz, Sivaprasath Murugesan and Mangal Singh
 - On the Stability of Compositions of Universally Stable, Greedy Contention-Resolution Protocols
D. Koukopoulos, M. Mavronicolas, S. Nikolettseas and P. Spirakis
 - Transformations of Self-Stabilizing Algorithms
Kleoni Ioannidou
 - Stateless Termination Detection
Gideon Stupp
- 12:10 - 14:00 Lunch
- 14:00 - 15:15 Session 5 (chair: Mark Yamashita)
 - RAMBO: A Reconfigurable Atomic Memory Service
Nancy Lynch and Alex Shvartsman
 - Ad Hoc Membership for Scalable Applications
Tal Anker, Danny Dolev and Ilya Shnayderman
 - The Lord of the Rings: Efficient Maintenance of Views at Data Warehouses
D. Agrawal, A. El Abbadi, A. Mostéfaoui, M. Raynal and M. Roy
- 15:15 - 15:45 Break
- 15:45 - 16:45 Session 6 (chair: Michel Raynal)
 - Subscription Partitioning and Routing in Content-based Publish/Subscribe Networks (BA)
Yi-Min Wang, Lili Qiu, Dimitris Achlioptas, Gautam Das, Paul Larson and Helen J. Wang
 - Improved Compact Routing Scheme for Chordal Graphs
Yon Dourisboure and Cyril Gavoille
 - Bounding Work and Communication in Robust Cooperative Computation
Bogdan S. Chlebus, Leszek Gąsieniec, Dariusz R. Kowalski and Alex A. Shvartsman
- 16:45 - 17:15 special talk
IST and Future and Emerging Technologies in the VI EC Framework Programme of Research
Leonardo Flores Añover, The European Commission
- 18:30 Bus leaves from ENSEEIHT for the Banquet
- 19:00 Visit and banquet at the Cité de l'Espace (City of Space)

Wednesday, October 30th

- 09:00 - 10:25 Session 7 (chair: Alex Shvartsman)
 - A Sufficient Condition to Transform $\diamond S$ into $\diamond P$ in Asynchronous Systems (BA)
Antonio Fernández, Mikel Larrea and Sergio Arévalo
 - Failure Detection Lower Bounds on Registers and Consensus
Carole Delporte-Gallet, Hugues Fauconnier and Rachid Guerraoui
 - Failure Detection Sequencers: Necessary and Sufficient Information about Failures to Solve Predicate Detection
Felix C. Gärtner and Stefan Pleisch
 - On the Impact of Fast Failure Detectors on Real-Time Fault-Tolerant Systems
Marcos K. Aguilera, Gérard Le Lann and Sam Toueg
 - Closing remarks.
- 10:30 - 10:50 Break

Regular presentations are 25 minutes long,
Brief announcements (BA) are 10 minutes long.