

Programme of QAPL 2009

Saturday, March 28

SESSION I

9:00 - 9:55 JOINT INVITED TALK OF QAPL and MLQA

Vincent Danos

Internal coarse-graining of rule-based models

10:00 - 10:30

Anya Tafiiovich and E. C. R. Hehner

Programming with Quantum Communication

10:30 - 11:00 tea break

11:00 - 12:30 SESSION II

11:00 - 11:30 Bruno Montalto and Carlos Caleiro

Modeling and reasoning about an attractor with cryptographical capabilities

11:30 - 12:00 Chunyan Mu and David Clark

An Abstraction on Quantifying Information Flow over Probabilistic Semantics

12:00 - 12:30 Yuxin Deng and Wenji Du

Kantorovich metric in Computer Science

12:30 - 14:00 lunch break

14:00 - 15:30 SESSION III

14:00 - 14:30 Uni Fahrenberg and Kim Larsen
Discounting in time

14:30 - 15:00 Taolue Chen, Tingting Han, Joost-Pieter Katoen, Alexandru Mereacre
Quantitative Model Checking of Continuous-Time Markov Chains Against Timed Automata Specifications

15:00 - 15:30 Aissani Amar
An MX/G/1 Energetic Retrial Queue with Vacations on its control

15:30 - 16:00 tea break

16:00 - 17:30 SESSION IV

16:00 - 16:30 Sergio Giro and Pedro d'Argenio
On the expressive power of schedulers in distributed systems

16:30 - 17:00 Alessandro Aldini
A note on the approximation of weak probabilistic bisimulation

17:00 - 17:30 Andrea Bracciali and Emilio Tuosto
Quantitative Structural Reconfiguration

Sunday, March 29

SESSION V

9:00 - 10:00 INVITED TALK

Jane Hillston

Process Algebra for Collective Dynamics

10:00 - 10:30 Ivan Mura, Davide Prandi, Corrado Priami and Alessandro Romanel

Exploiting non-Markovian Bio-Processes

10:30 - 11:00 tea break

11:00 - 12:30 SESSION VI

11:00 - 11:30 Sylvain Pradalier, Cosimo Laneve and Gianluigi Zavattaro

From biochemistry to stochastic processes

11:30 - 12:00 Luca Bortolussi and Maria Grazia Vigliotti

EnVy: a context-dependent calculus for biological systems

12:00 - 12:30 Alberto Castellini and Vincenzo Manca

"Artificial Neural Networks for synthesizing Metabolic P Systems

12:30 - 14:00 lunch break

14:00 - 15:30 SESSION VII

14:00 - 14:30 Holger Hermanns

Beyond the ordinary: compression of Markov chains

14:30 - 15:00 Marco Bernardo

Uniform logical characterization of testing equivalence for nondeterministic, probabilistic and Markovian processes

15:00 - 15:30 Marielle Stoelinga and Mark Timmer

Interpreting a successful testing process: risk and actual coverage

15:30 - 16:00 tea break

END OF THE WORKSHOP