

## **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 Taffiovič 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**