

LIX Colloquium on Emerging Trends in Concurrency Theory
PROGRAMME

MONDAY, 13 NOV.

Time	Speaker	Talk
9:00	Général Xavier Michel, Ecole Polytechnique's President.	<i>Opening</i>
9:10	Jean-Marc Steyaert, Catuscia Palamidessi, Jean-Jacques Levy.	<i>Opening</i>
9:30	Robin Milner	Bigraphs and Confluence.
10:30	Coffee break	
11:00	Mogens Nielsen	Computational Trust - Ideas towards a Science for Ubiquitous Computing .
11:30	Wan Fokkink	Cones and foci: A mechanical framework for protocol verification.
12:00	Cedric Fournet	Computational Secrecy by Typing for the Pi Calculus.
12:30	Lunch	
14:00	Jan Bergstra	Thread algebra for strategic interleaving .
14:30	Andrew Gordon	A chart semantics for the pi-calculus.
15:00	Joachim Parrow	Expressiveness of Process Algebras (<i>Discussion</i>).
16:00	Coffee break	
16:30	Roberto Amadio	A synchronous pi-calculus .
17:00	Jos Baeten	Using hybrid process algebra in model-based engineering of embedded systems .
17:30	Hubert Garavel	Practical applications of process calculi in industrial projects .
18:00	Reception	

TUESDAY, 14 NOV

Time	Speaker	Talk
9:00	Tony Hoare	Verification of Fine-grain Concurrency: Invariant Assertions, Rely/Guarantee Conditions, and perhaps Separation Logic and Petri nets .
10:00	Luis Caires	Properties of Interaction in Space .
10:30	Coffee break	
11:00	Pierre-Louis Curien	An approach to innocent strategies as graphs.
11:30	Jesper Bengtson	Formalising the pi-calculus using nominal logic.
12:00	Jean-Jacques Levy	History based information flow in the lambda calculus .
12:30	Lunch	
14:00	Ugo Montanari	A Coalgebraic Theory of Reactive Systems .
15:00	Pawel Sobocinski	Towards a general theory of labels from reductions .
15:30	Mike Mislove	Probabilistic Semantics.
16:00	Coffee break	
16:30	Roberto Segala	Probability and Concurrency: where are the Problems?.

17:00	Marta Kwiatowska	Analysing mobile ad hoc network protocols via probabilistic model checking.
17:30	Mario Bravetti	Extensions of standard weak bisimulation machinery: finite-state general processes, refinable actions, maximal-progress and time.
18:00	End of Session	

WEDNESDAY, 15 NOV

Time	Speaker	Talk
9:00	Luca Cardelli	Artificial Biochemistry .
10:00	Nadia Busi	Expressiveness of bio-inspired process calculi .
10:30	Coffee break	
11:00	Kazunori Ueda	Hierarchical graph rewriting as a unifying model of concurrency .
11:30	Vijay Saraswat	A Theory of Memory Models .
12:00	Marco Carbone	A Theoretical Basis of Communication-Centred Concurrent Programming .
12:30	Lunch	
14:00	Glynn Winskel	Causality Types .
14:30	Giuseppe Castagna	Milner's encoding revisited: new trends in (sub-)typing the pi-calculus.
15:00	Frank de Boer	Object-oriented concurrency .
15:30	Peter Sewell	From HOL, ML and Pi-calculus to typed distributed programming.
16:00	Coffee break	
16:30	Laurent Fribourg	The critical-path problem in asynchronous circuits: A concurrency view .
17:00	Uwe Nestmann	Applications of Concurrency Theory to Distributed Algorithms .
17:30	End of Session	