

Tuesday, 23 August 2011

9:00-9:30 Registration
9:30-10:00 Opening ceremony
10:00-12:30 Session 1: chair TBA
10:00-11:00 Invited talk: Jacob Beal, Bringing Biology and Engineering Together with

11:00-11:30 Coffee break & Registration
11:30-12:30 Invited talk: workshop
12:30-14:00 Lunch
14:00-16:00 Session 2: chair TBA
14:00-14:30 Gerd Gruenert, Gabi Escuela, Peter Dittrich and Thomas Hinze.

[Morphological Algorithms: Membrane Receptor-ligand Interactions and Rule-based Molecule Graph Evolution for Exact Set Cover Problem](#)

14:30-15:00 Thomas Hinze, Christian Bodenstein, Benedict Schau, Ines Heiland and
[Chemical Analog Computers for Clock Frequency Control Based on P Modules](#)

15:00-15:30 Luca Marchetti and Vincenzo Manca.
[A methodology based on MP theory for gene expression analysis](#)

15:30-16:00 Luis F. Macías-Ramos, Ignacio Perez-Hurtado, Manuel García-Quismondo
[A P-Lingua based Simulator for Spiking Neural P Systems](#)

16:00-16:30 Coffee break
16:30-18:20 Session 3: chair TBA
16:30-17:00 Florentin Ipate, Raluca Lefticaru, Ignacio Perez-Hurtado, Mario Perez-Juan
[Formal Verification of P Systems with Active Membranes through Model Checking](#)

17:00-17:20 Xiaoli Huang, Gexiang Zhang and Florentin Ipate.
[Evolutionary Design of a Simple Membrane System](#)

17:20-17:40 Kamala Krithivasan and Ajeesh Ramanujan.
[Matrix Representation of Spiking Neural P Systems with delay](#)

17:40-18:00 Padmavati Metta, Kamala Krithivasan and Deepak Garg.
[Simulation of Spiking Neural P Systems using Pnet Lab](#)

18:00-18:20 Galina Magariu, Tatiana Verlan and Veaceslav Macari. Simulation of P Systems

Wednesday, 24 August 2011

9:00-10:00 Invited talk: Jean-Louis Giavitto, The Modeling and the Simulation of the

Program

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10:00-10:30 Cofee break
10:30-12:30 Session 4: chair TBA
10:30-11:00 Antonio E. Porreca, Alberto Leporati, Giancarlo Mauri and Claudio Zano

[P systems simulating oracle computations](#)

11:00-11:30 Pierluigi Frisco and Gordon Govan.

[P systems with active membranes operating under minimal parallelism](#)

11:30-12:00 Andrei Paun. Sequentiality Induced by Spike Number in SNP Systems:

12:00-12:30 Vincenzo Manca and Rosario Lombardo.

[Computing with Multi-Membranes](#)

12:30-14:00 Lunch

14:00-18:00 Excursion to Chateau de Fontainebleau

Thursday, 25 August 2011

9:00-10:00 Invited talk: Radu Nicolescu,

[Parallel and Distributed Algorithms in P Systems](#)

10:00-10:30 Cofee break

10:30-12:30 Session 5: chair TBA

10:30-11:00 Erzsébet Csuhaj-Varjú and György Vaszil.

[A Connection Between Finite dP Automata and Multi-head Finite Automata](#)

11:00-11:30 Artiom Alhazov, Alexander Krassovitskiy and Yurii Rogozhin.

[Circular Post Machines and P Systems with Exo- Insertion and Deletion](#)

11:30-12:00 Oana Agrigoroaiei and Gabriel Ciobanu.

[Quantitative Causality in Membrane Systems](#)

12:00-12:30 Francis Cabarle, Henry Adorna and Miguel Martinez-del-Amor.

[A Spiking Neural P system simulator based on CUDA](#)

12:30-14:00 Lunch

14:00-15:30 Session 6: chair TBA

14:00-15:00 Invited talk: György Vaszil,

[Variants of Distributed P Automata and the Efficient Parallelizability of Languages](#)

15:00-15:30 Michael J. Dinneen, Yun-Bum Kim and Radu Nicolescu.

[An Adaptive Algorithm for P System Synchronization](#)

15:30-16:00 Cofee break & poster session

16:00-18:00 Session 7: chair TBA

Program

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16:00-16:30 Sergiu Ivanov.

[Basic Concurrency Resolution in Clock-free P Systems](#)

16:30-16:50 Gyenn Neil Ibo and Henry Adorna.

[Characterizing Periodicity as a Dynamical Aspect of Generative SN P Systems](#)

16:50-17:10 Isidora Petreska and Petros Kefalas. Population P Systems with Moving

17:10-17:30 Adam Obtulowicz.

[Generalized Gandy-Paun-Rozenberg machines for tile systems and cellular automata](#)

17:30-18:00 Presentation of CMC13 venue

20:00 Conference dinner

Friday, 26 August 2011

9:00-10:00 Invited talk: Artiom Alhazov [Properties of Membrane Systems](#)

10:00-10:30 Cofee break

10:30-12:30 Session 8: chair TBA

10:30-10:50 Dragos Sburlan.

[P Systems with Chained Rules](#)

10:50-11:10 Stephen Raj Jebasingh, Thamburaj Robinson and Atulya K Nagar. On t

11:10-11:30 Luděk Cienciala, Lucie Ciencialová and Miroslav Langer.

[Modularity in P Colonies with Checking Rules](#)

11:30-11:50 Linqiang Pan, Jun Wang and Hendrik Jan Hoogeboom.

[Asynchronous Spiking Neural P Systems](#)

11:50-12:20 Gh. Paun. Panel discussion: MC after CMC12

12:20-12:30 Closing ceremony & the best paper award

12:30-14:00 Lunch