

International Workshop
**Automata for
Cellular and Molecular
Computing**

Budapest, Hungary, August 31, 2007

Edited by Gy. Vaszil

MTA SZTAKI, Budapest, 2007

György Vaszil, editor

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Proceedings



MTA SZTAKI
Budapest

Foreword

The international workshop *Automata for Cellular and Molecular Computing* was held on August 31, 2007, in Budapest, Hungary, as a co-located event with the *16th International Symposium on Fundamentals of Computational Theory, FCT 2007*. It was organized by the *Theoretical Computer Science Research Group* of MTA SZ-TAKI, the *Computer and Automation Research Institute* of the *Hungarian Academy of Sciences*.

The aim of the workshop was to present novel ideas connecting cellular and molecular computing with the more classical areas of automata theory. In this framework, the extended notion of “automaton” includes interaction with an environment or other automata, uses resources represented by multisets, and can have new features inspired by “natural computing”.

We would like to thank the members of the program committee, Gabriel Ciobanu (Iasi), Erzsébet Csuhaj-Varjú (Budapest), Rudolf Freund (Vienna), Oscar H. Ibarra (Santa Barbara), Maurice Margenstern (Metz), Giancarlo Mauri (Milan), Gheorghe Păun (Bucharest), Mario J. Pérez-Jiménez (Seville), and György Vaszil (Budapest).

We would also like to thank the authors for participating and presenting their work at the workshop.

Budapest, August 2007

György Vaszil

Contents

Foreword	5
Contributions	9
Francesco Bernardini, Marian Gheorghe, Maurice Margenstern, Sergey Verlan: How to synchronize the activity of all components of a P system?	11
Rafael Borrego-Ropero, Daniel Díaz-Pernil, Mario J. Pérez-Jiménez: Tissue Simulator: A graphical tool for tissue P systems	23
Matteo Cavaliere, Radu Mardare, Sean Sedwards: Colonies of synchronizing agents: An abstract model of intracellular and intercellular processes	35
Gabriel Ciobanu, Mihai Gontineac: Networks of Mealy multiset automata	52
Rudolf Freund, Mihai Ionescu, Marion Oswald: Extended spiking neural P systems with decaying spikes and/or total spiking	64
Petros Kefalas, Ioanna Stamatopoulou, Marian Gheorghe: Principles of transforming communicating X-machines to population P systems .	76
Maurice Margenstern: On a characterization of cellular automata on the tilings of the hyperbolic plane	90
M. Sakthi Balan: Non-determinism in peptide computer	108
José Sempere: On local testability in Watson-Crick finite automata	120
Šárka Vavrečková, Alica Kelemenová: Properties of eco-colonies	129
Linmin Yang, Zhe Dang, Oscar H. Ibarra: On stateless Automata and P systems	144
Author Index	159