

**Nice, 3-5 June 2024**

**CMC 2024**

**PROGRAM**

## General information

### About talks length

**Invited:** 50 minutes plus 10 minutes for questions

**Regular:** 25 minutes plus 5 minutes for questions

**Short:** 10 minutes plus 5 minutes for questions

### About lunch

If weather is good, lunch is a buffet served in the garden of the Villa Arson, please follow directions while exiting on the back of the conference hall or just follow one of the organizers. In case of rain, the lunch will be served in a room close to the conference hall (follow the directions from the main entrance near the main screen). If you have any dietary restriction, please ask the waiters or the organizers for informations.

### About conference dinner

The conference dinner will be on Tuesday 4 June at 20 o'clock. The dinner will take place at the restaurant 'Le Grand Balcon', 10 rue Saint-François de Paule, 06300 Nice. The gathering point at 20:00 is on the street in front of the restaurant. Please do not enter before 20:00 to avoid confusion.

## The programme

Monday, 3 June 2024	
13:00 14:00	<b>Registration</b>
13:00 14:10	<b>Opening</b>
14:10 15:10	Rudolf Freund (University of Wien, Austria) <b>Simple P Systems and Variants of Derivation Modes</b>
15:10 15:40	Alberto Leporati and Lorenzo Roviada <b>An Evolutionary Approach to the Design of Spiking Neural P Circuits</b>
15:40 16:10	Péter Battyányi <b>Synchronization of rules in membrane computing</b>
16:10 16:40	Rodica Ceterchi, Marian Gheorghe, Lakshmanan Kuppusamy and K.G. Subramanian <b>Three Classes of Alphabetic Flat Splicing P Systems</b>
16:40 16:55	Stefan Iacob, Marian Gheorghe, Florentin Ipate and Ionut Mihai Niculescu <b>Some New Developments in kP-Lingua</b>

Tuesday, 4 June 2024	
09:30 10:30	Savas Konur (University of Bradford, UK) <b>Modelling and Computational Analysis of Synthetic Biology Systems using P Systems</b>
10:30 11:00	Erzsébet Csuhaj-Varjú and Sergey Verlan <b>Computational completeness of minimal communication with small number of cells</b>
11:00 11:30	Anna Kuczik and György Vaszil <b>Non-cooperative Polymorphic P Systems and Parallel Communicating ETOL Systems</b>
11:30 11:50	<b>Coffée break</b>
11:50 12:20	Rocco Ascone, Giulia Bernardini, Francesco Leiter and Luca Manzoni <b>Chemical Pure Reaction Automata in Maximally Parallel Manner</b>
12:20 12:50	Aya Elsayed, Raquel Ceprián, Ahmed Hafez, Carlos Llorens and Jose M. Sempere <b>Enhancing P Systems for Complex Biological Simulations</b>
12:50 14:00	<b>Lunch</b>
14:00 15:00	György Vaszil (University of Debrecen, Hungary) <b>Multiset approximation spaces in P systems: Membrane boundaries and dynamic topologies. An overview</b>
15:00 15:30	D. Valcamonica, A. D'Onofrio, M. M. Fareed, G. Franco and C. Zandron <b>A Dynamic Behavior Epidemiological Model By Membrane Systems</b>
15:30 16:00	D. Orellana-Martín, F. G. C. Cabarle, P. Paul, X. Zeng and R. Freund <b>Wireless Spiking Neural P Systems</b>
16:00 16:20	<b>Coffée break</b>
16:20 16:35	R. Vasile, M. Gheorghe, F. Ipate, L. Kuppusamy and I. M. Niculescu <b>A Note on Spiking Neural P systems with Dynamic Structure versus Kernel P Systems</b>
16:35 16:50	Zsolt Gazdag and Károly Hajagos <b>On accepting conditions in P systems with active membranes</b>
16:50 17:05	Gordon Cichon, Galbadrakh Battsojt and Tseren-Onolt Ishdorj <b>Optimal approximate computation of Euclidean distance in Spiking neural P systems</b>
17:05 18:00	<b>CMC meeting</b>

<b>Wednesday, 5 Juin 2024</b>	
09:30 10:00	S. Raghavan and K. Chandrasekaran <b>Enzymatic Numerical P System based Workflow Scheduling in Cloud</b>
10:00 10:30	Miroslav Langer, Daniel Valenta and Petr Sosík <b>2D P Colony for Vicinity Search Optimisation</b>
10:30 11:00	Merina Aruja, Lisa Mathew and Jayakrishna Vijayakumar <b>Quantum Context Free P Systems</b>
11:00 11:20	<b>Coffée break</b>
11:20 11:30	<b>Opening of MCU 2024</b>
11:30 12:30	Antonio E. Porreca <b>Unconventional Complexity Classes in Unconventional Computing</b>
12:30 14:00	<b>Lunch</b>
14:00 15:00	<b>Visit of Villa Arson art expositions (and closing of CMC 2024)</b>