



**Eastern
Mediterranean
University**

"For Your International Career"



7TH CONFERENCE ON MACHINES, COMPUTATIONS AND UNIVERSALITY

9-11 September, 2015

The MCU traces its roots back to mid of 90s, and has since been concerned with gaining a deeper understanding of computation through the study of general purpose computation models.

The MCU conference series began in Paris in 1995. Next sessions held in Metz in 1998, in Chişinău in 2001, in St. Petersburg in 2004, in Orleans in 2007, and finally the last session took place in Zürich in 2013.

The scope of the conference topics includes, but not limited to:

Analog computation
Automata theory
Cellular automata
Classical computability and degree structures
Computability of theoretic aspects of programs
Computable analysis and real computation
Computable structures and models
Continuous computing
Decidability of theories
DNA computing, self-assembly and tiling
Dynamical systems and computational models
Emerging and non-standard models of computation
Finite model theory
Generalized recursion theory
Higher type computability

Hypercomputational models
Membrane computation
Molecular computation
Morphogenesis and developmental biology
Multi-agent systems
Natural computation and hybrid systems
Neural nets and connectionist models
Physics and computability
Proof theory and computability
Randomness and Kolmogorov complexity
Relativistic computation
Swarm intelligence and self-organisation
Theory of Petri nets
Turing, counter, register, signal machines
Universality of systems

Invited Speakers

Matthew Cook : University of Zürich and ETH Zürich, Switzerland
Jetty Kleijn: Leiden University, The Netherlands
Linqiang Pan : Huazhong University of Science and Technology, China
Anne Siegel : INRIA - IRISA/CNRS, Dyliss, France
Mike Stannett : University of Sheffield, UK

Program Committee Chairs

Jérôme Durand-Lose: University of Orléans, France
Benedek Nagy: Eastern Mediterranean University, Famagusta and University of Debrecen, Hungary

Important Dates

Deadline for paper submission: March 15, 2015
Notification of paper acceptance: May 25, 2015
Final version for the proceedings: June 20, 2015

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