



**Eastern  
Mediterranean  
University**

*"For Your International Career"*



# 7<sup>TH</sup> 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:*

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| <b>Analog computation</b>                              | <b>Hypercomputational models</b>                  |
| <b>Automata theory</b>                                 | <b>Membrane computation</b>                       |
| <b>Cellular automata</b>                               | <b>Molecular computation</b>                      |
| <b>Classical computability and degree structures</b>   | <b>Morphogenesis and developmental biology</b>    |
| <b>Computability of theoretic aspects of programs</b>  | <b>Multi-agent systems</b>                        |
| <b>Computable analysis and real computation</b>        | <b>Natural computation and hybrid systems</b>     |
| <b>Computable structures and moindels</b>              | <b>Neural nets and connectionist models</b>       |
| <b>Continuous computing</b>                            | <b>Physics and computability</b>                  |
| <b>Decidability of theories</b>                        | <b>Proof theory and computability</b>             |
| <b>DNA computing, self-assembly and tiling</b>         | <b>Randomness and Kolmogorov complexity</b>       |
| <b>Dynamical systems and computational models</b>      | <b>Relativistic computation</b>                   |
| <b>Emerging and non-standard models of computation</b> | <b>Swarm intelligence and self-organisation</b>   |
| <b>Finite model theory</b>                             | <b>Theory of Petri nets</b>                       |
| <b>Generalized recursion theory</b>                    | <b>Turing, counter, register, signal machines</b> |
| <b>Higher type computability</b>                       | <b>Universality of systems</b>                    |

**Invited Speakers**

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

**Important Dates**

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

**Organizers**

- Rza Bashirov: Eastern Mediterranean University, Gazimağusa(chair)
- Benedek Nagy: Eastern Mediterranean University, Gazimağusa and University of Debrecen, Hungary (vice-chair)

**Contact us**

- [mcu2015@emu.edu.tr](mailto:mcu2015@emu.edu.tr)
- <http://mcu2015.emu.edu.tr>

**Salamis Bay Conti Resort Hotel, Gazimağusa KKTC**

