MEMICS 2017

12ᵗʰ Doctoral Workshop on Mathematical and Engineering Methods in Computer Science

http://www.memics.cz

October 13-15, 2017, Telč, Czech Republic

Call for Participation

General Chair
Adam Rogalewicz (Brno Univ. of Technology)

Programme Committee Chairs
Jan Kofroň (Charles University in Prague)
David Šafránek (Masaryk University Brno)

Steering Committee Chair
Tomáš Vojnar (Brno University of Technology)

The aim: Since 2005, the aim of MEMICS is to provide a scientific forum for doctoral and master students interested in applications of mathematical and engineering methods in computer science. Besides a rich technical programme (including invited talks and tutorials, presentations, and posters), MEMICS also offers friendly social activities and exciting opportunities for meeting like-minded people.

Venue: The workshop will be held in the historical town of Telč, which is situated at the south-west tip of Moravia, half-way between Prague and Vienna. The historical centre of the town has retained its unique shape over the centuries and was included in the list of UNESCO World Heritage Sites in 1992.

Invited speakers:
Georg Weissenbacher (TU Wien):
   Interpolation-based Model Checking and IC3

Loïc Paulevé (CNRS/U. Paris-Sud):
   Formal methods for capturing dynamics of biological networks

Alessandro Abate (U. of Oxford)
   Formal verification of complex systems: model-based and data-driven methods

More information is available at
http://www.memics.cz.

Topics: MEMICS submissions are traditionally invited from all areas of computer science (such as parallel and distributed computing, computer networks, modern hardware and its design, non-traditional computing architectures, information systems and databases, multimedia and graphics, verification and testing, computer security, as well as all related areas of theoretical computer science). In line with the tradition of MEMICS, several areas are, however, given a special focus each year (which is reflected, e.g., in the choice of the invited speakers). In 2017, these areas are:

- Logic and interpolants in program analysis
- Control theory
- Static analysis and concurrency
- Formal methods for complex systems

Nevertheless, as stated above, submissions from any other area of computer science are welcome.

Participation: In addtion to presentations, there will be organized a poster session. Presentations will summarize recent outstanding work that has been accepted to a leading computer science conference or published in a recognised scientific journal, while posters will present ongoing works. More information about the workshop program can be found online.

Registration deadline: October 4, 2017