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CALL FOR PAPERS

9-11 September, 2015

7th Conference on Machines, Computations and Universality (MCU'15)

SCOPE

MCU explores computation in the setting of various discrete models (Turing machines, register machines, cellular automata, tile assembly systems, rewriting systems, molecular computing models, neural models etc.) and analog and hybrid models (BSS machines, infinite time cellular automata, real machines, quantum computing etc.) There is particular, but not exclusive, emphasis given towards the following:

- The search for frontiers between decidability and undecidability in the various models
- The search for the simplest universal models
- The computational complexity of predicting the evolution of computations in the various models
- The connection between parallelism and decidability, complexity and universality
- Universality and undecidability in continuous models of computation

SUBMISSIONS

Authors of accepted papers are expected to present their work at the conference. Submitted papers must describe work not previously published, and they must neither be accepted nor under review at a journal or at another conference with refereed proceedings. Authors are required to submit their manuscripts electronically in PDF using the LNCS style. Authors using LaTeX can download the needed macros at Springer-Verlag site. Papers should not exceed 15 pages; full proofs may appear in a clearly marked technical appendix which will be read at the reviewers' discretion. The submission process is managed by EasyChair <https://easychair.org/conferences/?conf=mcu2015>. The proceedings will be available at the conference venue. The conference proceedings will be published by Springer Verlag in LNCS series (confirmed). There will be a best paper and a best student paper award.

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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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