

Call for Papers or Posters

Tenth International Conference on

UNCONVENTIONAL COMPUTATION

UC 2011

University of Turku, Finland

June 6th – 10th, 2011

<http://www.math.utu.fi/uc2011/>

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UC 2011 is organized by the FUNDIM laboratory of the mathematics department at the University of Turku, Finland, under the auspices of EATCS and Academia Europaea.

Original papers and posters are solicited in all all areas of unconventional computation. Papers/posters dealing with **theory** as well as with **experiments** and **applications** are welcome. Typical, but not exclusive, topics are: natural computing including quantum, cellular, molecular, neural and membrane computing, as well as evolutionary paradigms; chaos and dynamical systems based computing; proposals for computations going beyond the Turing model.

Submissions: Authors are invited to submit papers (at most 12 pages) or posters electronically, via EasyChair:

<http://www.easychair.org/conferences/?conf=uc2011>

All submissions are expected to be in the pdf format. Paper submissions should be prepared following the LNCS format of Springer. Poster submissions should contain either a graphical poster or an abstract with sufficient details for the reviewers. Simultaneous submissions to other conferences with published proceedings are not permitted. Each accepted paper/poster must be presented at the conference. The author of the poster is responsible for printing it. The proceedings (only for papers) will be published by Springer LNCS series and will be available at the conference.

Invited Speakers: Samson Abramsky (Oxford), Bastien Chopard (Geneva), David Corne (Edinburgh), Juhani Karhumäki (Turku), Gheorghe Păun (Bucharest), Grzegorz Rozenberg (Leiden).

Tutorials: Quantum Information (Mika Hirvensalo, Turku), Cellular Automata (Nicolas Ollinger, Marseille), Membrane Computing (Mario de J. Pérez Jiménez, Sevilla).

Satellite Workshops: Physics and Computation (org. Mike Stannet), Hypercomputation (org. Mike Stannet), Language Theory in Biocomputing (org. Tero Harju), Discrete Models of Complex Systems (org. Anna Lawniczak).

Conference location: The conference and the satellite workshops will take place in the Calonia and Arcanum buildings of the University of Turku.

Conference History: The first venue of the Unconventional Computation Conference (formerly called Unconventional Models of Computation) was Auckland, New Zealand, in 1998; subsequent sites of the conference were Brussels, Belgium, in 2000; Kobe, Japan, in 2002; Seville, Spain, in 2005; York, UK, in 2006; Kingston, Canada, in 2007; Vienna, Austria, in 2008; Ponta Delgada, Portugal, in 2009; and Tokyo, Japan, in 2010.

Important dates

EXTENDED paper submission deadline: February 6th, 2011

Notification to authors: March 4th, 2011

Final versions due: March 21st, 2011

Poster submission deadline: April 18th, 2011