



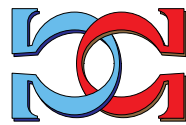
Università degli Studi di Milano-Bicocca

Dipartimento di Informatica,  
Sistemistica e Comunicazione



12<sup>th</sup> International Conference on

## UNCONVENTIONAL COMPUTATION AND NATURAL COMPUTATION



# UCNC 2013

previously Unconventional Computation

1–5 July 2013  
Milano, Italy

<http://ucnc2013.disco.unimib.it>  
[ucnc2013@disco.unimib.it](mailto:ucnc2013@disco.unimib.it)

### Important dates

- Submission deadline: ~~2 February 2013~~ **17 February 2013**
- Notification to authors: 25 March 2013
- Final version: 1 May 2013
- Conference: 1–5 July 2013

UCNC 2013 is organised by Dipartimento di Informatica, Sistemistica e Comunicazione (Department of Computer Science, Systems and Communication) of Università degli Studi di Milano-Bicocca.

### Topics

The topics of the conference include all areas of unconventional computation and natural computation, including (but not limited to) quantum, cellular, molecular, neural, DNA, membrane, and evolutionary computing; cellular automata; computation based on chaos and dynamical systems; massive parallel computation; collective intelligence; computation based on physical principles such as relativistic, optical, spatial, collision-based computing; amorphous computing; physarum computing; hypercomputation. Both theoretical and experimental papers are welcome.

## Submissions

Authors are invited to submit original papers (at most 12 pages in LNCS format) using EasyChair.org, at

<https://www.easychair.org/conferences/?conf=ucnc2013>

Papers must be submitted in Portable Document Format (PDF). The revised version of the manuscripts, to appear in a LNCS volume by Springer, must be prepared in  $\text{\LaTeX}$  according to the LNCS format (see <http://www.springer.com/computer/lncs/lncs+authors>).

The papers must not have been submitted simultaneously to other conferences with published proceedings. All accepted papers must be presented at the conference.

The proceedings will be available at the conference venue.

Authors of accepted papers will be invited to submit an extended and improved version of their contribution to a special issue of an international journal.

## Invited speakers

- Enrico Formenti (Université Nice Sophia Antipolis, France)
- John V. Tucker (Swansea University, UK)
- Xin Yao (University of Birmingham, UK)

## Joint UCNC/CiE 2013 invited speakers

- Gilles Brassard (Université de Montréal, Canada)
- Grzegorz Rozenberg (Universiteit Leiden, Netherlands and University of Colorado Boulder, USA)
- Endre Szemerédi (Hungarian Academy of Sciences, Hungary and Rutgers University, USA)

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### Satellite workshops

- BioChemIT2013 (Third COBRA Workshop on Biological and Chemical Information Technologies)  
[http://www.cobra-project.eu/biochemit2013\\_call.html](http://www.cobra-project.eu/biochemit2013_call.html)
- CoSMoS 2013 (6th Complex Systems Modelling and Simulation Workshop)  
<http://www-users.cs.york.ac.uk/psa/cosmos2013/cosmos2013.html>
- Wivace 2013 (Workshop Italiano di Vita Artificiale e Computazione Evolutiva 2013 – Italian Workshop on Artificial Life and Evolutionary Computation 2013)  
<http://wivace2013.disco.unimib.it>

The UCNC 2013 conference will be co-located with Computability in Europe 2013 (CiE 2013, <http://cie2013.disco.unimib.it>).

The conference and the satellite workshops will take place at the U6 building of Università degli Studi di Milano-Bicocca, Piazza dell'Ateneo Nuovo 1, Milano.

The previous editions of the conference took place at Auckland, New Zealand (UMC 1998); Brussels, Belgium (UMC 2000); Kobe, Japan (UMC 2002); Seville, Spain (UC 2005); York, UK (UC 2006); Kingston, Canada (UC 2007); Vienna, Austria (UC 2008); Ponta Delgada, Portugal (UC 2009); Tokyo, Japan (UC 2010); Turku, Finland (UC 2011); Orleans, France (UCNC 2012).