

Call for Papers and Workshops

Sixth International Conference on UNCONVENTIONAL COMPUTATION (UC'07)

13–17 August 2007, Queen's University, Canada

<http://www.cs.queensu.ca/uc07/>

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Important Dates

Submissions Due: 7 April 2007
Notification: 5 May 2007
Final Copies Due: 15 May 2007

UC'07 is organized by CDMTCS, University of Auckland, NZ and Queen's University, Canada, under the auspices of EATCS.

Original papers are solicited in *all* areas of unconventional computation. Papers 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 evolutionary paradigms; chaos and dynamical systems based computing; and various proposals for computations that go beyond the Turing model.

Submissions: Authors are invited to submit papers (at most 12 pages) electronically, in PDF format, to the conference secretary T. Wareham at uc.secretary@gmail.com. Joint submissions to other conferences are *not* permitted. Each accepted paper *must* be presented at the conference. The proceedings will be published by Springer LNCS series.

Invited Speakers: M. Arbib (USC), L. Kari (UWO), R. Vertegaal (Queen's). Others to be announced.

Proposal for workshops and demos associated with UC'07 are solicited; please send them to the OC chair S. Akl at akl@cs.queensu.ca.

Conference Location: Kingston was founded in 1673 where Lake Ontario runs into the St Lawrence River, and served as Canada's first capital. Renowned as the fresh-water capital of North America, Kingston is a major port to cruise the famous Thousand Islands. The 'Limestone City' has developed a thriving artistic and entertainment life and hosts several festivals each year. Other points of interest include Fort Henry, a 19th century British military fortress, as well as seventeen museums that showcase everything from woodworking to military and technological advances.

Conference History: The first venue of the **Unconventional Computation** Conference (formerly called **Unconventional Models of Computation**) was Auckland, NZ in 1998; subsequent sites of the conference were Brussels, Belgium in 2000 and Kobe, Japan in 2002, Seville, Spain, in 2005, York, UK in 2006. The **UC** Conference web-page is <http://www.cs.auckland.ac.nz/CDMTCS/conferences/uc/>.

UC Steering Committee: T. Bäck, Leiden, C.S. Calude, Auckland, co-chair, L.K. Grover, Murray Hill, NJ, J. van Leeuwen, Utrecht, S. Lloyd, Cambridge, MA, Gh. Păun, Seville, T. Toffoli, Boston, MA, C. Torras, Barcelona, G. Rozenberg, Leiden, co-chair, A. Salomaa, Turku.