Call for Papers and Workshops

# Fifth International Conference on
# UNCONVENTIONAL COMPUTATION (UC'06)

**4–8 September 2006, University of York, UK**

http://www.cs.york.ac.uk/nature/uc06/index.php

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**Important Dates**

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| Submissions Due: | 12 March 2006 |
| Notification: | 10 May 2006 |
| Final Copies Due: | 30 May 2006 |

UC'06 is organized by CDMTCS, University of Auckland, NZ and the University of York, UK, 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 to the conference secretary M.J. Dinneen at cdmtcs@gmail.com. All submissions are expected to be in PDF format. 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.

**Best Paper Award:** The author of the best paper submitted will be awarded one year's free subscription to the International Journal of Unconventional Computing.

**Invited Speakers:** E. Winfree (Caltech), D. Woods (University College Cork). Others to be announced.

**Proposal for workshops, tutorials, and demos** associated with UC'06 are solicited; please sent them to the OC co-chair S. Stepney at susan@cs.york.ac.uk.

**Conference Location:** York combines evidence of a history going back to Roman times with a bustling modern city centre. The Minster, built on the foundations of the Roman city and an earlier Norman cathedral, is among the finest Gothic cathedrals, and dominates the city. Romans, Vikings, and more recent history are commemorated in a number of top-class museums, as well as being apparent in the architecture of the city.

**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. The **UC** Conference web-page is www.cs.auckland.ac.nz/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.

**More Information:** See the conference web-page or email the OC co-chair S. Stepney at susan@cs.york.ac.uk.