

Call for Papers

Fourth International Conference on UNCONVENTIONAL COMPUTATION (UC'05)

3–7 October 2005, Sevilla, Spain

<http://www.cs.auckland.ac.nz/uc05>

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Important Dates

Submissions Due: 15 April 2005
Notification: 1 June 2005
Final Copies Due: 30 June 2005

UC'05 is organized by CDMTCS, University of Auckland, New Zealand and the University of Sevilla, Spain, 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 computing; 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.

Invited Speakers: T. Bäck (Leiden), L. Grover (Murray Hill), S. Istrail (Pasadena), N. Seeman (New York), C. Torras (Barcelona).

Conference Location: Sevilla is one of the most beautiful cities in Spain. An explosion of colour and contrast: flamenco, bullfighting, and a lively atmosphere in the streets due to the open and friendly nature of its people. The river Guadalquivir, the Cathedral and the Golden Tower are all places full of magic where the visitor can feel the spirit of a city which is eternally romantic.

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 and Kobe, Japan in 2002. The **Unconventional Computation** Conference web-page is www.cs.auckland.ac.nz/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, Sevilla, 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 chair M.J. Pérez Jiménez at marper@us.es.