

Call for papers

GeoComputation 2007

The Art and Science of Solving Complex Spatial Problems with Computers.

The GeoComputation 2007 conference will be hosted at the National Centre for Geocomputation at the National University of Ireland in Maynooth, Ireland.

Call for papers

Contributions are invited on all themes in the field of geocomputation and should describe original and unpublished research. Reports of innovative geocomputational applications in ecological, environmental, geographical, health, socioeconomic and urban studies as well as in new problem domains are also welcome.

Topics of interest include, but are not limited to, the following:

- new geocomputational algorithms and architectures
- spatio-temporal data mining and knowledge discovery
- evolutionary computing for spatial applications
- geographical visualisation and geovisual analytics
- geostatistics and spatial simulation
- agent-based spatial modelling
- cellular automata spatial modelling
- neural networks and fuzzy modelling
- spatial network modelling and topological analysis
- temporal modelling
- location-based services
- spatial sensors
- accuracy and uncertainty of geocomputational models
- applications in environmental and ecological modelling
- applications in health and medical informatics
- applications in urban studies, criminology and transportation modelling

Submission

Contributors are invited to submit extended abstracts (maximum 1500 words), which will be reviewed for inclusion in the conference program.

Submission details and format can be found on the homepage of the conference: <http://ncg.nuim.ie/geocomputation>

Abstract submission: 1 April 2007
Acceptance notification: 15 May 2007
Conference: 3 - 5 Sept 2007

Contact: geocomputation@nuim.ie

Keynote speakers

Prof. Kirsi Virrantaus, Helsinki University of Technology, Finland
Prof. Menno-Jan Kraak, ITC, The Netherlands

Conference Co-Chairs

Urška Demšar, NCG, Ireland
Prof. Stewart A. Fotheringham, NCG, Ireland

Programme Committee

Itzhak Benenson, Tel Aviv University, IL
Dan Brown, University of Michigan, USA
Martin Charlton, NCG, IE
Suzana Dragičević, Simon Fraser University, CA
Andrew Evans, University of Leeds, UK
Stewart A. Fotheringham, NCG, IE
Mark Gahegan, Pennsylvania State University, USA
Phil A. Graniero, University of Windsor, CA
Lars Harrie, Lund University, SE
Hans Hauska, Royal Institute of Technology, SE
Bin Jiang, Hong Kong Polytechnical University, HK
Brian Lees, Australian Defence Force Academy, AU
Ian Turton, Pennsylvania State University, USA
Yichun Xie, Eastern Michigan University, USA