

Call for Papers



SPATIAL ACCURACY 2008

The 8th International Symposium on Spatial Accuracy Assessment in Natural Resources and Environmental Sciences

June 25-27, 2008 Shanghai, China

Topics

The International Symposia on Spatial Accuracy Assessment in Natural Resources and Environmental Sciences have been held at various locations since 1994. This series of biennial symposia focuses on uncertainty in spatial information, analysis, and applications emphasizing natural resources and the environment. The topics highlighted in previous symposia on spatial accuracy have been related to measuring, describing, modeling, propagating, and visualizing uncertainty in spatial information and process models, especially those concerning environment and natural resources. The 8th symposium will follow this tradition. To emphasize strategic and systematic research, Accuracy 2008 will include the following topics:

- Accuracy metrics and spatial assessment
- Data assimilation and uncertainty quantification
- Error analysis in geomatic engineering
- Geostatistics for spatial uncertainty
- Metadata descriptions of uncertainty
- Models of uncertainty for discrete objects, continuous fields, and their integration
- Models of uncertainty for nominal and ordinal fields
- Models of scale and methods for scaling
- Semantic interoperability and uncertainty analysis
- Spatial data conflation and information fusion
- Uncertainty characterization in digital terrain analysis
- Uncertainty characterization in ecological and environmental modeling
- Uncertainty characterization in social systems and their interactions with environmental systems
- Uncertainty characterization in landscape dynamics and global change
- Vagueness in spatial information and analysis
- Validation in remote sensing
- Visualization of uncertainty

These topics are non-exclusive and set no limits for potential contributors.

Publications

The plan is to have the symposium proceedings published in a book format by World Academic Union (Press), with whom a contract is being worked on, so that all papers accepted will be cited by ISTEP. A number of papers may be selected from those presented at the symposium and published as a special issue of the International Journal of Remote Sensing following the symposium.

Schedule

Submission of abstracts:

January 20, 2008

Notification to authors:

February 11, 2008

Submission of final papers:

April 21, 2008

Early registration:

April 21, 2008

Pre-symposium workshop:

June 23 - 24, 2008

Symposium:

June 25 - 27, 2008

Keynote Speakers

The Organizing Committee have appointed 6 keynote speakers:

- Dr Peter Atkinson (University of Southampton, GB)
- Dr Carol Gotway Crawford (Centers for Disease Control and Prevention, US)
- Dr Bryan Pijanowski (Purdue University, US)
- Dr John Shi (Hong Kong Polytechnic University)
- Dr Steve Stehman (State University of New York, US)
- Dr Alfred Stein (International Institute of Geoinformation Science and Earth Observation - ITC, NL)

who will join us on this occasion and present the state-of-the-art about uncertainty in geospatial information, analysis, modeling, and applications.

Pre-Symposium Workshop (June 23 - 24, 2008)

This two-day workshop presents theory and practice of spatial uncertainty propagation analysis, by presenting and discussing various uncertainty propagation techniques, emphasizing on Monte Carlo simulation methods. Workshop participants will receive a copy of and learn to use the Data Uncertainty Engine software tool, which is specifically designed to help users define, assess, store and simulate uncertain spatio-temporal environmental data.

Workshop tutors:

Gerard B.M. Heuvelink (Wageningen University, The Netherlands)

James D. Brown (National Oceanic and Atmospheric Administration, USA)

Further information about the symposium may be found at:
<http://2008.spatial-accuracy.org>

Contact:

Jingxiong ZHANG (Organizing Committee):
accuracy2008@spatial-accuracy.org

Yong GE (Secretariat):
gey@lreis.ac.cn



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