

AAG 2009 - CALL FOR PAPERS

SPECIAL SESSION(S): Modeling Geographic Complexity

LOCATION AND DATES

Association of American Geographers Annual Meeting
March 22-27, 2009, Las Vegas, USA

SPONSORS

Spatial Analysis and Modeling, Geographic Information Systems and Science, Human Dimensions of Global Change Specialty Groups of the AAG

DESCRIPTION

Complexity has emerged as a useful paradigm to effectively study linked human, socioeconomic and biophysical systems. As a result, descriptive and predictive models of various levels of sophistication and using mostly agents, genetic algorithms, cellular automata and neural networks are now beginning to regularly appear in the geographic literature. However, there still remains many unresolved conceptual, technical and application challenges associated with these complexity based models. The goal of this session is to focus on the following themes:

1. Conceptual: shared and unique complexity signatures in geographic systems; existing and emerging geographical and complexity theories; epistemological and ontological influences; complexity based model designs; networks and hybrid models; linking classical and spatial statistics in complexity studies.
2. Technical: space-time patterns and dynamics; standardizing the development and representation of complex systems; rule selection and implementation; multiple-scale interactions and structure, system evolution and self-organization; learning and adaptation; calibration, validation and verification; path-dependence; non-linearity.
3. Applications: effectiveness of complexity models when embedded in political, institutional and socio-economic systems; human-environment interactions; earth systems science; land use science; landscape ecology; sustainability analysis.

In order to widely disseminate the ideas emerging from this session, authors will have the opportunity to suitably revise their presentations for publication in an edited book.

Please e-mail the abstract and key words with your expression of intent to Suzana Dragicevic <suzanad@sfu.ca> by **October 7th, 2008**. Please make sure that your abstract conforms to the AAG guidelines in relation to title, word limit and key words and as specified at <<http://www.aag.org/annualmeetings/2009/papers.htm>>. An abstract should be no more than 250 words that describes the presentation's purpose, methods, and conclusions as well as to include keywords. Full submissions will be given priority over submissions with just a paper title.

ORGANIZERS

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TIMELINE:

September 23rd, 2008: Call for papers.

October 7th, 2008: Abstract submission and expression of intent to session organizers. E-mail Suzana Dragicevic <suzanad@sfu.ca> by this date if you are interested in being in this session. **Please submit an abstract and key words with your expression of intent.** Full submissions will be given priority over submissions with just a paper title.

October 10th, 2008: Session finalization. Session organizers determine session order and content and notify authors.

October 14th, 2008: Final abstract submission to AAG, via www.aag.org. All participants must register individually via this site. Upon registration you will be given a participant number (PIN). Send the PIN and a copy of your final abstract to Suzana Dragicevic <suzanad@sfu.ca>. Neither the organizers nor the AAG will edit the abstracts.

October 16th, 2008: AAG registration deadline. Sessions submitted to AAG for approval.

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