



## CALL FOR PAPERS AND REFEREES

### SAC 2002

The 17<sup>th</sup> ACM Symposium on Applied Computing

March 10 – 14, 2002, Madrid, Spain

**Special Track on Applications of Spatial Simulation  
of Discrete Entities**

#### SAC'02:

For the past sixteen years the ACM Symposium on Applied Computing (SAC) has been a primary forum for applied computer scientists, computer engineers and application developers to gather, interact, and present their work. SAC is sponsored by the ACM Special Interest Group on Applied Computing (SIGAPP); its proceedings are published by ACM in both printed form and CD-ROM; they are also available on the web through ACM's Digital Library. More information about SIGAPP and SAC 2002 can be found at <http://www.acm.org/sigapp/> and <http://www.acm.org/conferences/sac/sac2002/>.

#### Special Track on *Applications of Spatial Simulation of Discrete Entities*

Many important phenomena result from localized interactions of individual entities, including: population dynamics, epidemics, protein folding, structural geology, mobile computing and wireless networks. Modeling of these systems makes it possible to reduce the cost of experiments or make them possible by conducting them on the computer. The simulated systems have large numbers of entities, which motivates research into design and parallel implementation issues. Often cellular automata or Particle-in-Cell approaches are used. This track provides a unique forum for people with diverse interdisciplinary interests to interact and exchange ideas in this area. For more information see <http://www.cs.albany.edu/~maniatty/conferences/SAC02>.

Major topics of interest include but are not limited to the following:

***Application inspired algorithms***

***Architectural evaluation for modeling***

***Multifidelity modeling techniques***

***Parallelization of spatial models***

***Design, implementation and application of cellular automata***

#### Track Program Chairs

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### **Guidelines for Submission:**

Original papers from the above-mentioned or other related areas will be considered. This includes three categories of submissions: 1) original and unpublished research; 2) reports of innovative computing applications in the arts, sciences, engineering, business, government, education and industry; and 3) reports of successful technology transfer to new problem domains. Each submitted paper will be fully refereed and undergo a blind review process by at least three referees. Accepted papers in all categories will be published in the ACM SAC'02 proceedings.

Selected papers from the track will be considered for a special issue of *Scientific Programming* published by IOS press after the conference (for more information on the journal see <http://www.iospress.nl/site/html/10589244.html>).

Submission guidelines must be strictly followed:  
Submit six (6) copies of original manuscripts to:

**William A. Maniatty**  
**Dept. of Computer Science**  
**University at Albany**  
**1400 Washington Ave.**  
**Albany, NY 12222**

Alternatively, submit your paper electronically to [maniatty@cs.albany.edu](mailto:maniatty@cs.albany.edu) in uuencoded compressed postscript or pdf format; this is strongly encouraged. Fax submissions will not be accepted. The author(s) name(s) and address(es) must not appear in the body of the paper, and self-reference should be in the third person. This is to facilitate blind review. The body of the paper should not exceed 5,000 words (approximately 15 pages, double-spaced). A separate cover sheet (in the case of electronic submission this should be sent separately from the main paper) should show the title of the paper, the author(s) name(s) and affiliation(s), and the address (including e-mail, telephone, and FAX) to which correspondence should be sent.

All submissions must be received by September 1<sup>st</sup>, 2001.

Anyone wishing to review papers for this special track should contact the Track Program Chair(s) at the address shown above.

### **Important Dates:**

Sept 1, 2001:	Submission of papers and tutorial proposals
Oct 15, 2001:	Notification of Acceptance/Rejection
Nov 1, 2001:	Camera-Ready copies of accepted papers
Mar 10-14, 2002:	SAC 2002 takes place