

Second Announcement and Call for Contributions

Cosit'99

CONFERENCE ON SPATIAL INFORMATION THEORY

Stade / near Hamburg, Germany 25-29 August 1999

TOPIC AND TARGET GROUP

The fourth international Conference On Spatial Information Theory, COSIT '99, is concerned with theoretical aspects of space and spatial information. All aspects of "large scale" space, i.e. spaces too large to be overlooked at once, are addressed. This includes spaces of geographic scale and smaller spaces in which humans, animals, or autonomous robots have to find their way around. Spatial information theory also deals with the description of objects, processes or events in spatial environments and forms the basis for the construction of Geographic Information Systems (GIS) and for spatial information and communication system design in general.

Empirical investigations, formal models, and the use of spatial information technology reveal a large number of interesting research questions which require an interdisciplinary approach for their solution. The COSIT conference series brings together researchers from different disciplines, in particular

- Geography and Geoinformation Science
- Computer Science and Artificial Intelligence
- Cognitive Science
- Cognitive and Environmental Psychology
- Architecture and Environmental Design
- Engineering and Administration
- Cognitive Anthropology and Psycholinguistics
- History, Sociology, and Philosophy of Mind

The conference organizers welcome all contributions on Spatial Information Theory. An idea of the conference's orientation can be gained from the previous COSIT proceedings published by Springer in the Lecture Notes in Computer Science (see web pages).

The following (non-exclusive) topics are indicative for the field of interest:

- * Cognitive structure of spatial knowledge
- * Structure of geographic information
- * Languages of spatial relations
- * Time in geographic information
- * Spatial and temporal reasoning
- * Navigation in spatial environments
- * Social and cultural organization of space
- * Quality aspects of geographic information
- * Incomplete or imprecise spatial knowledge
- * Spatial data integration
- * Presentation of spatial information
- * Simulation of processes in geographic space
- * User interface design
- * Spatialization of user interfaces
- * Metaphors for GIS
- * Naive geography
- * Ontology of space
- * Virtual reality and robot navigation
- * Cooperative work with spatial information
- * Administrative and legal spatial processes

SCHEDULE

Deadline for receiving title, abstract, key words:	24 January 1999
Deadline for receiving full papers:	31 January 1999
Deadline for receiving acknowledgments:	7 February 1999
Information on acceptance sent out:	16 April 1999
Revised papers (camera-ready) due:	28 May 1999
Conference:	25-29 August 1999

CONFERENCE PROGRAM

On the first day of the conference half day tutorials and workshops introducing the topics of the conference will be organized. Proposals will be considered until 15 December 1998.

On the second through fourth day of the conference, recent progress in advanced research will be presented orally and in poster sessions. The conference program will be established by the interdisciplinary program committee. Prominent keynote speakers have been invited. Submitted papers will be selected through a rigorous review of full paper contributions based on relevance to the conference, scientific significance, novelty, relation to previously published literature, and clarity of presentation. The proceedings will be published by Springer in the Lecture Notes in Computer Science series just before the conference. Panels will discuss the relevance of research questions and compare alternate approaches. Topical meetings ("birds of a feather sessions") will be organized and proposals from convenors are welcome at any time before or during the conference.

Last minute results can be presented as spontaneous posters; these contributions will not be published in the conference proceedings.

A 'Doctoral Consortium' will conclude the conference. It is intended as a forum where Ph.D. students can meet and discuss with others at a similar stage in their careers. The consortium will be facilitated by a panel of experienced researchers.

PROGRAM COMMITTEE

Christian Freksa, University of Hamburg (chair)

Anthony G. Cohn, University of Leeds
Max J. Egenhofer, University of Maine
Andrew U. Frank, TU Vienna
Stephen C. Hirtle, University of Pittsburgh

Werner Kuhn, University of Münster
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Reginald Golledge (Santa Barbara, CA, USA)
Mike Goodchild (Santa Barbara, CA, USA)
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John Herring (Herndon, VA, USA)
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Marinos Kavouras (Athens, Greece)
Benjamin Kuipers (Austin, TX, USA)
Gerard Ligozat (Paris, France)
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Tim McNamara (Nashville, TN, USA)
Amitabha Mukerjee (Kanpur, India)
Bernhard Nebel (Freiburg, Germany)
Patrick Olivier (York, UK)
Dimitris Papadias (Hongkong, China)
Eric Pederson (Oregon, USA)
Donna Peuquet (Pennsylvania, USA)
Juval Portugali (Tel Aviv, Israel)
Jonathan Raper (London, UK)
Christoph Schlieder (Munich, Germany)
Michel Scholl (INRIA, France)
Barry Smith (Buffalo, USA)
Keith Stenning (Edinburgh, UK)
Erik Stubkjaer (Aalborg, Denmark)
Andrew Turk (Murdoch University, Australia)
Achille Varzi (New York, NY, USA)
Laure Vieu (Toulouse, France)
Robert Weibel (Zurich, Switzerland)
Karl Wender (Trier, Germany)
Michael Worboys (Keele, UK)
Wai-Kiang Yeap (Otago, New Zealand)

SUBMISSIONS

Authors are requested to submit original full papers (including abstracts) in English not to exceed 16 Springer LNCS pages in total including figures and bibliography (less than 6000 words) or four LNCS pages for poster contributions. Electronic submissions in a standard format are requested by email to cosit99@informatik.uni-hamburg.de or on a floppy disk (PDF or postscript). If you submit an MS Word or an RTF file you should send or fax a formatted hardcopy of your paper for reference. The title page of the paper should contain the title, author(s), affiliation(s), the submitting author's mailing address, e-mail address, fax number, telephone number, a 100-200 word abstract, 5-7 keywords, and a statement indicating that the paper has not been submitted elsewhere for publication. The information on the title page should also be submitted by email one week before the full paper deadline. Authors of accepted papers are expected to present their papers in person and to attend the other presentations and discussions at the conference. Early career scientists and researchers from outside central Europe and the US are particularly encouraged to submit papers.

A NOTE ON THE SITE

The conference will be held at the Stadeum in the 1000 year old city of Stade, Germany, near the outlet of the river Elbe into the North Sea, 30km west of Hamburg. Accommodation will be available in the Parkhotel Stader Hof adjacent to the conference center at a rate of EUR 60-75 (USD 72-90) / single or EUR 42 (USD 50) / double per person and night (including a large breakfast buffet). Additional accommodation is available nearby. There is ample opportunity for outdoor activities, including hiking, biking, sailing, tennis. There will also be an excursion planned to a grand nature resort area at the Elbe outlet, during the conference.

Stade can be easily reached from Hamburg (airport or train station) by Elbe-City-Jet (scenic express ferry ride) or by train, bus, or car (<http://www.informatik.uni-hamburg.de/WSV/cosit99/route.html>).

REGISTRATION FEES

Registration fees will cover full participation at the conference, a copy of the proceedings volume, lunch during the conference, an excursion, and the conference banquet

Regular	EUR	190	
Full-time student	EUR	90	
Late Fee	EUR	40	(after 31 May 1999)

Tutorials (to be announced):

Regular	EUR	70
Student	EUR	30

(The fees are computed on the basis EUR 1 \approx DM 2 \approx USD 1.2).

FURTHER INFORMATION

Further information about the conference and about travel and accommodation will be available on the conference web page (<http://www.informatik.uni-hamburg.de/WSV/cosit99>).

Please send all submissions and address all other correspondence about the conference to:

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The conference will be organized primarily using the Internet. We would appreciate further distribution of this announcement and we are grateful for inclusion in newsletters and other outlets.

The conference is sponsored in part by the Deutsche Forschungsgemeinschaft (DFG).