

Call for Papers

First announcement for

9th International Conference on Spatial Information Theory COSIT'09 September 21-25, 2009, Aber Wrac'h, France www.cosit.info

Established in 1993, COSIT (Conference on Spatial Information Theory) is widely acknowledged as one of the most important scientific events in the field of spatial information theory.

COSIT aims to bring together researchers from different disciplines for intensive scientific exchanges. The ninth International Conference on Spatial Information Theory, COSIT 2009, is especially concerned with theoretical aspects of space, time, and spatial information. Of special interest are aspects of "large-scale" space, i.e., spaces too large to be apprehended at once without technological aid. COSIT submissions typically address research questions drawn from:

- Cognitive, Perceptual, and Environmental Psychology
 - Geography and Geoinformation Science
 - Computer Science, Artificial Intelligence, and Cognitive Science
 - Engineering and Human Factors
 - Cognitive Anthropology, Psycholinguistics and Linguistics
 - Ontology of the Geospatial Domain
 - Architecture, Planning, and Environmental Design
- An idea of the conference's orientation can be gained from the previous COSIT proceedings published by Springer-Verlag in the Lecture Notes in Computer Science series. The following (non-exclusive) topics are indicative of the field of interest:

- activity-based models of spatial knowledge
 - cognitive structure of spatial knowledge
 - cooperative work with spatial information
 - events and processes in geographic space
 - incomplete or imprecise spatial knowledge
 - languages of spatial relations
 - naive geography/behavioral geography
 - navigation by organisms and robots
 - ontology of space
 - presentation/communication of spatial information
 - quality issues in geographic information
 - semantics of geographic information
 - social and cultural organization of space
 - spatial and temporal reasoning
 - spatial and social networks
 - spatial data integration/interoperability
 - spatial decision-support systems
 - structure of geographic information
 - time in geographic information
 - user-interface design/spatialization of interfaces
 - virtual spaces
- Papers will be selected through a rigorous review of full paper contributions based on relevance to the conference, intellectual quality, scientific significance, novelty, relation to previously published literature, and clarity of presentation. The proceedings will be published by Springer-Verlag in the Lecture Notes in Computer Science series. The conference will be held at the "Centre de la Mer", Aber Wrac'h, Brittany, France. The conference venue is located on the wonderful site of the Abers. The latest travel and conference information will appear on the COSIT'09 web site as it becomes available.

Important dates: March 2, 2009 – Full paper submission

May 15, 2009 – Notification of acceptance

June 22, 2009 – Camera-Ready copy due

General Chairs C. Claramunt, Naval Academy, France

M. Denis, LIMSI-CNRS, France

Program Chairs G. Ligozat, LIMSI-CNRS, France

K. Stewart Hornsby, The University of Iowa, USA