First announcement for

11th International Conference on Spatial Information Theory
COSIT 2013
September 2-6, 2013, Scarborough, UK.
http://www.cosit2013.org/

Spatial information theory is concerned with all aspects of space and spatial environments as experienced and represented by humans and also by other animals and artificial agents. The scope of the conference includes both applications to specific domains and also the development of general theories of space and spatial information. Papers may address aspects of spatial information from the viewpoint of any discipline including (but not limited to) the following.

- Cognitive, Perceptual, and Environmental Psychology
- Geography and Geoinformation Science
- Computer Science, Artificial Intelligence, and Cognitive Science
- Mathematics, Logic, Philosophy and Ontology
- Engineering and Human Factors
- Cognitive Anthropology, Psycholinguistics and Linguistics
- Architecture, Planning, and Environmental Design

Papers will be selected through a rigorous review of full papers based on relevance to the conference, scientific significance, novelty, relation to previously published literature, clarity of presentation, and interdisciplinary context. The proceedings will be published by Springer-Verlag in the Lecture Notes in Computer Science (LNCS) series. Papers should not exceed 20 pages in the LNCS format.

Since 1993 the COSIT series has been one of the most important events in this highly interdisciplinary area. An idea of the conference's orientation can be gained from the previous COSIT proceedings published by Springer-Verlag in the LNCS series. The following (non-exclusive) topics are indicative of the fields of interest:

- activity-based models of spatial knowledge
- cognitive structure of spatial knowledge
- cognitive vision
- cooperative work with spatial information
- events and processes in geographic space and time
- incomplete or imprecise spatial knowledge

- knowledge representation for space and time
- languages of spatial relations
- naive geography/behavioral geography
- navigation and wayfinding, including robot navigation
- ontology of space
- presentation and communication of spatial information
- qualitative and commonsense spatial representation
- quality issues in geographic information
- semantics of geographic information
- social and cultural organization of space
- spatial and temporal language
- spatial aspects of social networks
- spatial data integration/interoperability
- spatial decision-support systems
- structure of geographic information
- theory and practice of spatial and temporal reasoning
- time in geographic information
- user-interface design/spatialization of interfaces
- virtual spaces

The conference will be held at the Royal Hotel, Scarborough, North Yorkshire, UK. The town of Scarborough is a characterful Victorian seaside resort on the East coast of England. There are good road and rail links to the rest of the UK including a direct train service from Manchester Airport which has flights from many international airports.

The conference will be preceded by a day of workshops and tutorials.
The doctoral colloquium, after the conference, provides a forum for PhD students working on any aspect of spatial information.
Separate calls for workshops and tutorials and for the doctoral colloquium
will be issued.

Important dates
March 4, 2013 – Full paper submission
April 20, 2013 – Notification of acceptance
June 17, 2013 – Camera-Ready copy due
September 2,   2013 – Workshops and Tutorials
September 3-5, 2013 – Conference
September 6,   2013 – Doctoral Colloquium

General Chairs
  Brandon Bennett, University of Leeds, UK
  Antony Galton, University of Exeter, UK

Program Chairs
  John Stell, University of Leeds, UK
  Thora Tenbrink, Bangor University, UK

Sponsorship Chair
  Zena Wood, University of Exeter, UK