

Call for Contributions

International Conference

Spatial Cognition 2008 (SC '08)

Schloss Reinach, Freiburg, Germany
September 15-19, 2008



Aims and Scope

Spatial Cognition is concerned with the acquisition, organization, utilization, and revision of knowledge about spatial environments, be it real or abstract, human or machine. Spatial Cognition comprises research in very different scientific fields concerned with cognitive agents in spatial environments, such as robotics, artificial intelligence, architecture, geography, linguistics, cognitive science, and philosophy. The aim of this research is to help agents to solve spatial tasks and to improve their spatial skills. Research issues in the field range from the investigation of human spatial cognition to mobile robot navigation, including aspects such as wayfinding, spatial planning, spatial learning, representations of space, map comprehension, and communication of spatial information.

Conference Topics

Relevant topics include, but are not limited to:

- Natural language and space
- Conceptualizations of space
- Representations of spatial knowledge and spatial ontologies
- Spatial and spatio-temporal reasoning
- Cognitive processing of spatial information and spatial attention
- Spatial learning and spatial skills
- Human wayfinding, route directions, and spatial behavior
- Diagrammatic reasoning and maps
- Human-machine interaction in spatial environments
- Spatial assistance systems
- Geographic information systems
- Robot navigation and exploration
- Evaluation and benchmarking of spatial theories and systems

Organization

Spatial Cognition 2008 (SC '08) continues a series of international and interdisciplinary conferences on spatial cognition. SC '08 is organized by the Transregional Collaborative Research Center SFB/TR 8 Spatial Cognition in cooperation with the Spatial Intelligence and Learning Center (SILC).

Program chairs:

Christian Freksa (University of Bremen, Germany)

Nora S. Newcombe (Temple University, USA)

Peter Gärdenfors (Lund University, Sweden)

Local organization:

Stefan Wölfl (University of Freiburg, Germany)

Workshops:

Kenny Coventry (Northumbria University, UK)

Jan M. Wiener (Collège de France, France)

Tutorials:

Thomas F. Shipley (Temple University, USA)

Poster session:

Christoph Hölscher (University of Freiburg, Germany)

Doctoral colloquium:

Sven Bertel (University of Bremen, Germany)

Marco Ragni (University of Freiburg, Germany)

Dates and Deadlines

Workshop/tutorial proposals:	Feb 15, 2008
Full paper submission:	Mar 21, 2008
Notification of acceptance:	May 16, 2008
Final papers:	Jun 6, 2008
Poster submission:	Jun 20, 2008
Technical program:	Sep 16-18, 2008
Tutorials:	Sep 15, 2008
Workshops:	Sep 15 and 19, 2008
Doctoral Colloquium:	Sep 19, 2008

Location and Venue

Spatial Cognition 2008 will take place at Schloss Reinach, an estate nearby Freiburg, Germany. Freiburg is located in the southwest of Germany, near to the Black Forest, Strasbourg (France) and Basel (Switzerland), in a region known as one of the main touristic attractions in Germany.

Web Site

For submission details and further information visit:
<http://conference.spatial-cognition.de/sc08>.