



<http://www.spatial-cognition-2010.com/>

For the first time Spatial Cognition will be held in North America. The conference will begin right after Cognitive Science in a location that is convenient to Portland. The conference will be held in a beautiful area right next to Oregon's Mount Hood. This conference traditionally attracts European researchers working on a broad range of spatial cognition research. We expect that a significant number of participants will come from Europe so this offers US students and researchers an opportunity to establish international ties.

CALL FOR POSTERS / EXTENDED ABSTRACTS

Deadline May 15, 2010

Poster Sessions at Spatial Cognition 2010

Spatial Cognition 2010 will include a mixed poster and tool session in which new research results and new technical systems relevant for the Spatial Cognition community can be demonstrated. We solicit contributions reflecting

original spatial cognition research and particularly encourage contributions from interdisciplinary / international collaborations.

Poster contributions can be made either as short or long abstracts. Short abstracts are limited to 250 words. The maximum length of extended poster contributions or a tool description is 4 pages (including abstract, figures, and references) in the Springer LNCS format (<http://www.springer.de/comp/lncs/authors.html>).

Accepted contributions will be presented at the poster session at the conference. The descriptions of the posters and tools will be published in the online SFB/TR 8 report series and will be distributed to all conference participants.

Poster submissions must be sent electronically in PDF format to the Poster Chair, David N. Rapp (Northwestern University) at posters@spatial-cognition-2010.com.

The deadline for submission of poster/tool descriptions is May 15, 2010.

We recommend the following structure for your abstract (with each section included as appropriate):

- Background and Motivation
- Research Question(s)
- Methodological approach
- Analysis and Results
- Research contribution to Spatial Cognition

At least one author of each accepted poster must register for the conference and present the contribution. For more detailed and continuously updated information, please visit the conference website at <http://www.spatial-cognition-2010.com/>.

GENERAL INFORMATION ABOUT THE CONFERENCE

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 insofar as they are concerned with cognitive agents in spatial environments, such as robotics, artificial intelligence, linguistics, cognitive science, and philosophy. The aim of this research is to help humans 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

KEYNOTE SPEAKERS:

- Francesca Pazzaglia, Università di Padova, Italy
- Kenneth Forbus, Northwestern University, USA
- Roger Downs, Pennsylvania State University, USA

Organization

Spatial Cognition 2010 (SC'10) continues a series of international and interdisciplinary conferences on spatial cognition. SC'10 is jointly organized by the Spatial Intelligence and Learning Center (SILC) and the Transregional Collaborative Research Center SFB/TR 8 Spatial Cognition.

Program chairs:

Thomas F. Shipley (Temple University, USA)
Christoph Hölscher (University of Freiburg, Germany)
John Bateman (University of Bremen, Germany)
Marta Olivetti Belardinelli (University of Rome, Italy)
Nora S. Newcombe (Temple University, USA)

Local organization:

Adrienne Larmett (Temple University, USA)

Workshops:

Kenneth D. Forbus (Northwestern University)
Thomas Barkowsky (University of Bremen, Germany)

Tutorials:

Kai-Florian Richter (University of Bremen, Germany)

Poster session:

David N. Rapp (Northwestern University)

Doctoral colloquium:

Daniele Nardi (Temple University)

Kristin Ratliff (University of Chicago)

Andrea Frick (Temple University)

DATES AND DEADLINES

Poster submission: May 15, 2010

Technical program: Aug 15-19, 2010

Tutorials: Aug 15, 2010

Workshops: Aug 15, 2010

Doctoral Colloquium: Aug 19, 2010

Location and Venue

Spatial Cognition 2010 will take place at The Resort at The Mountain, Mt. Hood, near Portland, Oregon. This mountain retreat is set in the majestic Oregon high country and offers many opportunities for outdoor activities including, fishing, hiking and wind surfing. The conference venue provides an ideal environment for this intensive research meeting.

Web Site

For submission details and further information visit:

<http://www.spatial-cognition-2010.com/>