

Diagrams 2010

Sixth International Conference on the
Theory and Application of Diagrams

<http://www.diagrams-conference.org/2010/>
diagrams2010@diagrams-conference.org

9-11 August 2010
Portland, Oregon, USA

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Diagrams is an international and interdisciplinary conference series, covering all aspects of research on the theory and application of diagrams.

Recent advances in technology have enabled the use of diagrams, sketches and other visualizations to become an integral part of our lives. For effective communication with these novel and sophisticated visual representations, we need insight into how diagrams are used, how they are represented, which types are available and when it is appropriate to use them. These concerns have triggered a surge of interest in the study of diagrammatic notations for communication, cognition, creative thought, computation and problem-solving.

The study of diagrammatic notations and their use must be pursued as an interdisciplinary endeavour. Diagrams is the only conference series that provides a united forum for all areas that are concerned with the study of diagrams: for example, architecture, artificial intelligence, cartography, cognitive science, computer science, education, graphic design, history of science, human-computer interaction, linguistics, logic, mathematics, philosophy, psychology, and software modelling.

Diagrams 2010 is the sixth event in this conference series, which was launched in Edinburgh in 2000. Diagrams attracts a large number of researchers from virtually all related fields mentioned, placing the conference as a major international event in the area.

Diagrams 2010 will be co-located with the 32nd Annual Meeting of the Cognitive Science Society (Cogsci-2010). This co-location will provide a lively and stimulating environment, enabling researchers from related communities to exchange ideas and more widely disseminate research results.

Diagrams 2010 will consist of sessions including presentations of refereed papers, posters, and also tutorial and workshop sessions. For the first time in history of Diagrams we will organize workshops and postgraduate student sessions. We invite submissions of:

- long research papers (15 pages)
- short research papers (7 pages)
- posters (3 pages)
- tutorial proposals (1 page; see the conference web page for full details)
- workshop proposals (1 page; see the conference web page for full details)

that focus on any aspect of diagrams research. Long papers should present original research results. Short papers and posters should present original research contributions, position or problem statements, summarise software to support the use of diagrams, or integrate results published elsewhere which are of interest to the Diagrams community.

All submissions will be fully peer reviewed. The proceedings will be published by Springer in their Lecture Notes in Computer Science series, www.springer.com/lncs.

Full details on the preparation of submissions can be found on the conference web site www.diagrams-conference.org/2010/

Topics of interest include, but are not limited to:

- applications of diagrams
- computational models of reasoning with, and interpretation of, diagrams
- design of diagrammatic notations
- diagram understanding by humans or machines
- diagram aesthetics and layout
- educational uses of diagrams
- graphical communication
- heterogeneous notations involving diagrams
- history of diagrammatic notations
- information visualization using diagrams
- novel uses of diagrams
- psychological issues pertaining to perception, comprehension or production of diagrams
- reasoning with diagrams
- software to support the use of diagrams
- theoretical aspects of diagrams including, for example, classification and formalization

- usability issues concerning diagrams.

Important dates

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Abstract submission: 8 January 2010
Paper, tutorial and workshop proposal submissions: 18 January 2010
Poster submission: 1 February 2010
Notification for workshops: 8 February 2010
Notification for papers and tutorials: 1 March 2010
Notification for posters: 8 March 2010
Camera ready copies due: 29 March 2010
Graduate symposium submissions: 5 April 2010
Notification for graduate symposium submissions: 19 April 2010
Diagrams 2010 conference: 9-11 August 2010

Organizers

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Conference Chairs:

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N. Hari Narayanan (Auburn University, USA)

Workshop Chair:

Unmesh Kurup (Rensselaer Polytechnic Institute, USA)

Tutorial Chair:

Stephanie Elzer (Millersville University, USA)

Graduate Symposium Chair:

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