



18th International Symposium

Graph Drawing

21-24 September 2010 - Konstanz, Germany

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Graph Drawing is concerned with the geometric representation of graphs and networks and is motivated by those applications where it is crucial to visualize structural information as graphs.

Since graph drawing methods form the algorithmic core of network visualization, bridging the gap between theoretical advances and implemented solutions is an important aspect of the conference. Indeed, advances in graph drawing are important in several technological areas such as Web computing, e-commerce, VLSI circuit design, information systems, software engineering, computational cartography, visual interfaces, bioinformatics, and networking.

Researchers and practitioners working on any aspect of graph drawing are invited to contribute and participate.

The range of topics includes, but is not limited to:

- visualization of networks from application areas such as the life sciences, social sciences, geography, engineering, business intelligence, or communications
- software systems for graph visualization
- interfaces for interacting with graphs
- graph drawing algorithms
- geometric graphs
- planarity and topological graph theory
- graph theory and optimization on graphs

Call for Papers: Authors are invited to submit papers describing original research of theoretical or practical significance to graph drawing, including demonstrations of software systems. Papers may be either long (up to 12 pages) or short (up to 6 pages), using single-spaced LNCS style. The claims made in submissions should be fully substantiated, including full proofs, appropriate experimental data, or system descriptions. If this information will not fit within the page limits, authors may include a clearly marked appendix that will be read at the discretion of the reviewers.

Accepted submissions will be published in the conference proceedings, which will be included in the *Lecture Notes in Computer Science* series of Springer.

Selected papers will be invited for submission to a special issue of the *Journal of Graph Algorithms and Applications*.

www.graphdrawing.org/gd2010

Call for Posters: Submissions of posters on graph drawing and related areas are also solicited. The poster session will provide a forum for the communication of late-breaking research results (which may also appear elsewhere) to the graph drawing community. Posters should be accompanied by an abstract (up to 2 pages); abstracts of accepted posters will be included in the conference proceedings.

Graph Drawing Contest: Following the tradition of previous conferences, a graph drawing contest will be held. Details about the contest will be provided on the conference Web site.

Important Dates

Paper submission:	June 7
Notification of acceptance:	July 23
Poster submission:	August 16
Final versions due:	September 10
Contest submission:	September 17
Symposium:	September 21-24, 2010

Invited Speakers

Peter Eades

University of Sydney, Australia

Carsten Thomassen

Technical University of Denmark,
Lyngby, Denmark

Contest Committee

Christian Duncan

Louisiana Tech University, USA

Carsten Gutwenger

TU Dortmund, Germany

Lev Nachmanson

Microsoft, Redmond, USA

Georg Sander (chair)

IBM, Bad Homburg, Germany

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