CALL FOR PAPERS – GRAPH DRAWING 2013

21st International Symposium on Graph Drawing · September 23–25, 2013 · Bordeaux, France

http://gd2013.labri.fr

Graph Drawing is concerned with the geometric representation of graphs and networks, and algorithmic methods for visualizing them. It is motivated by applications where it is crucial to visually analyze and interact with relational datasets. Examples of such application areas include social sciences, Internet and Web computing, information systems, computational biology, networking, VLSI circuit design, and software engineering.

The International Symposium on Graph Drawing is the main annual event in this area and will take place from September 23 to 25, 2013, in Bordeaux, France. Researchers and practitioners working on any aspect of graph drawing are invited to contribute papers and posters, and to participate in the symposium and the graph drawing contest.

PAPERS. Submitted papers must describe original research of theoretical or practical significance to graph drawing. Each paper must be submitted explicitly to one of two distinct tracks. Papers submitted to one track will not compete with papers submitted to the other track.

Track 1: Combinatorial and algorithmic aspects

This track is mainly devoted to fundamental graph drawing advances, such as combinatorial aspects and algorithm design. The range of topics for this track includes (but is not limited to) the following:

- Design and experimentation of graph drawing algorithms
- Theory of geometric graphs
- Geometric computing
- Planarity and topological graph theory
- Optimization on graphs

Track 2: Visualization systems and interfaces

This track is mainly devoted to practical aspects of graph drawing, such as the development of graph visualization systems and interfaces in different application areas. The range of topics for this track includes (but is not limited to) the following:

- Visualization of graphs and networks in application areas (e.g., social sciences, biology, geography, software engineering, circuit design, business intelligence)
- Software systems for graph visualization
- Interfaces for interacting with graphs
- Benchmarks and experimental analysis for graph visualization systems and user interfaces
- Cognitive studies on graph drawing readability and user interaction

All submissions must be formatted using the LaTeX style file for the conference series *Lecture Notes in Computer Science (LNCS)* provided by Springer-Verlag. Margins and font size must not be modified.

Submissions that do not comply with this format risk being rejected. Each submission may be either long (up to 12 pages) or short (up to 6 pages). The claims of the paper should be fully substantiated, including full proofs or appropriate experimental data. If this information does not fit within the page limits, the authors should include it in a clearly marked appendix, whose length is not constrained.

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 two pages in the single-spaced LNCS style). Abstract and poster must be submitted as a single pdf document.

CONTEST. During the conference there will be a graph drawing contest – further details will be available on the conference Web site.

PUBLICATION. Accepted papers and abstracts of accepted posters will appear in the conference proceedings, published by Springer-Verlag in the series Lecture Notes in Computer Science. Selected papers will be invited for submission to a special issue of the Journal of Graph Algorithms and Applications.

AWARD. To recognize the effort of participants to present their work in a clear and elegant way, a *best-presentation award* will be given this year for the first time.

IMPORTANT DATES. All deadlines are 23:59 CEST and fixed. There will be no extensions.

- Paper submission deadline: **June 10, 2013**
- Notification of paper acceptance: **July 20**
- Poster submission deadline: **August 20**
- Notification of poster acceptance: **August 30**
- Final versions due: **September 4**
- Contest submission deadline: **September 20**
- Symposium on Graph Drawing: **September 23–25, 2013**

INVITED SPEAKERS.

Joe Marks *Upfront Analytics*, **Tamara Munzner** *UBC*, **Emo Welzl** *ETH Zurich*

PROGRAM COMMITTEE.

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CONTEST COMMITTEE.

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