



# Call for Papers – Graph Drawing 2014

## 22<sup>nd</sup> International Symposium on Graph Drawing

### September 24-26, 2014 • Würzburg, Germany

<http://gd2014.informatik.uni-wuerzburg.de/>

**Graph Drawing** is concerned with the geometric representation of graphs and networks and the 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 be hosted by the **University of Würzburg** from **September 24 to 26, 2014**, in **Würzburg, Germany**. Researchers and practitioners working on any aspect of graph drawing and network visualization 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 and network visualization. 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
- Geometric and topological graph theory
- Optimization on graphs

#### **Track 2: Experimental, applied, and network visualization aspects**

This track is mainly devoted to the practical aspects of graph drawing, such as the development of network 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, cartography, software engineering, circuit design, business intelligence)
- Software systems for graph visualization
- The engineering of visualization systems and algorithms
- Experimental results in graph theory and graph algorithms
- Benchmarks and experimental analysis for graph visualization systems and user interfaces
- Cognitive studies on graph drawing readability and user interaction
- Interfaces for interacting with graphs

All submissions must be formatted using the LATEX style file for the conference series [Lecture Notes in Computer Science](#) (LNCS) provided by Springer-Verlag. The margins and font size must not be modified. *Submissions that do not comply with this format risk being rejected.* Each submission may be up to 12 pages in length. 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 and for which the reviewers may read *at their own discretion*.

## 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](#)). The abstract and poster must be submitted as a single pdf document.

## Contest.

The graph drawing contest held in conjunction with the conference traditionally begins after the initial paper submission deadline has passed. Further details will be available on the [conference website](#).

## 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 once again be given this year.

## Important Dates.

All deadlines are **23:59 GMT** and fixed. There will be no extensions.

- Paper submission deadline: **June 13, 2014**
- Notification of paper acceptance: **July 23**
- Poster submission deadline: **August 19**
- Notification of poster acceptance: **August 29**
- Final versions due: **September 3**
- Contest submission deadline: **September 22**
- Symposium on Graph Drawing: **September 24-26**

## Invited Speakers.

**Oswin Aichholzer**, *TU Graz*

**Jean-Daniel Fekete**, *INRIA, Paris*

## Program Committee.

**Patrizio Angelini**, *Univ. Roma Tre*

**Daniel Archambault**, *Swansea Univ.*

**David Auber**, *LaBRI, Univ. Bordeaux*

**Michael Bekos**, *Nat. Tech. Univ. Athens*

**Anastasia Bezerianos**, *LRI-Univ. Paris-Sud*

**Franz Brandenburg**, *Univ. Passau*

**Erin Chambers**, *St. Louis Univ.*

**Stephan Diehl**, *Univ. Trier*

**Christian Duncan (co-chair)**, *Quinnipiac Univ.*

**Tim Dwyer**, *Monash Univ.*

**David Eppstein**, *Univ. of California, Irvine*

**Emden Gansner**, *AT&T Research Labs*

**Michael Kaufmann**, *Univ. Tuebingen*

**Stephen Kobourov**, *Univ. of Arizona*

**Jan Kratochvil**, *Charles Univ. Prague*

**Giuseppe Liotta**, *Univ. of Perugia*

**Maarten Löffler**, *Utrecht Univ.*

**Anna Lubiw**, *Univ. of Waterloo*

**Petra Mutzel**, *Univ. Dortmund*

**Lev Nachmanson**, *Microsoft Research*

**Antonios Symvonis (co-chair)**, *Nat. Tech. Univ. Athens*

**Ioannis Tollis**, *Univ. of Crete*

**Dorothea Wagner**, *Karlsruhe Inst. Tech.*

**Hsu-Chun Yen**, *Nat. Taiwan Univ.*

## Organizing Committee.

**Krzysztof Fleszar**, **Philipp Kindermann**, **Joachim Spoerhase**, **Alexander Wolff (chair)**, *Univ. of Würzburg*

## Contest Committee.

**Carsten Gutwenger (chair)**, *TU Dortmund*

**Maarten Löffler**, *Utrecht Univ.*

**Lev Nachmanson**, *Microsoft Research*

**Ignaz Rutter**, *Karlsruhe Inst. Tech.*