

# CALL FOR PAPERS

## Information Visualization: State of the Field and New Research Directions

A Special Issue of Information Visualization  
Guest Editors: Andreas Kerren, Catherine Plaisant, and John Stasko

We invite the community to submit new articles examining the challenges and successes when applying information visualization to real world problems. Articles that specifically explore the state of research in a sub-area of information visualization are particularly welcome. Papers may focus on existing technical areas (e.g., text analysis or support for the analysis process) or propose new directions of research (e.g., the challenges of dealing with dirty data before and during analysis). Papers that report on a particular new technique or its evaluation are not a main focus. Specific topics particularly of interest are

- The influence of display technologies on information visualization
- The importance of interaction and/or multimodality
- Collaboration within information visualization
- Visualization of text and documents
- Comparison in information visualization: models and challenges
- Data wrangling: transformation of data to enable analysis
- Analysis process
- Visual design and aesthetics
- Prior knowledge of users
- Information visualization for the masses

This special issue is based on discussions that took place at the second Dagstuhl Seminar on Information Visualization held in June 2010. One goal of this symposium was to bring together theoreticians and practitioners with a special focus on the intersection of information visualization and human-computer interaction. To support discussions that related to the visualization of real world data, researchers from selected application areas, such as Bioinformatics or Software Engineering, also attended and contributed. During the seminar, working groups on different topics (display technologies, interaction, collaboration, text/document visualization, comparison, data wrangling, aesthetics, and analysis process) were formed. Working groups have been invited to submit an article building on their discussions. All articles submitted to the special issue will go through the same rigorous peer-review process of the journal.

### Paper Submission

- **Submissions due:** 15 November 2010
- **Initial reviews:** 15 February 2011 (with one month for revisions)
- **Final acceptance:** 1 May 2011
- **Final versions due:** 1 June 2011
- **Publication:** October 2011

Inquiries can be made to any of the guest editors. Please inform the guest editors of your intent to submit. Submissions of manuscripts should be made online at: <http://ivs.msubmit.net/cgi-bin/main.plex>. Papers should not exceed **10 pages** (use <http://cluster.cis.drexel.edu/~cchen/quickguide.html> to estimate the paper length).

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