



Call for Papers

IEEE Working Conference on Software Visualization (VISSOFT 2013)

Eindhoven, NL, September 27-28, 2013

The first **IEEE Working Conference on Software Visualization (VISSOFT 2013)** follows six editions of the IEEE International Workshop on Visualizing Software for Understanding and Analysis (VISSOFT) and five editions of the ACM Symposium on Software Visualization (SOFTVIS). In 2013, these two events will be united in a single top-tier conference on software visualization which is co-located with ICSM 2013.

Software Visualization is a broad research area encompassing techniques that assist in a range of software engineering activities, such as, specification, design, programming, testing, maintenance, reverse engineering and reengineering. Covered methods contain the development and evaluation of approaches for visually analyzing software and software systems, including their structure, execution behavior, and evolution.

In this conference, we focus on visualization techniques that target aspects of software maintenance and evolution, program comprehension, reverse engineering, and reengineering, i.e., how visualization helps programmers to understand, analyze, and evolve software. We aim to gather tool developers, users and researchers from software engineering, information visualization, and human-computer interaction to discuss theoretical foundations, algorithms, techniques, tools, and applications related to software visualization. We seek theoretical, as well as practical papers on applications, techniques, tools, case studies, and empirical studies. Topics of interest include, but are not limited to:

- Program visualization
- Visual software analytics
- Network visualizations in software engineering
- Visualization of software documentations
- Visualization of parallel programs
- Visualization-based software in computer science and software engineering education
- Visualization of workflow and business processes
- Integration of software visualization tools and development environments
- Visualization of web services
- Visualization of software evolution
- Visualization of database schemes
- Protocol and log visualization (security, trust)
- Graph algorithms for software visualization
- Visual debugging
- Software visualization on the internet
- Empirical evaluation of software visualization
- Visualization to support program comprehension

Papers are solicited that present original, unpublished research results and will be rigorously reviewed by an international program committee. In addition to full papers, VISSOFT features a New Ideas or Emerging Results (NIER) track and a tool demo track related to the same list of topics suggested above. All accepted submissions will appear in the conference proceedings and the IEEE Digital Library. More information on how to submit a paper including paper formatting as well as more information on the NIER and tool demo tracks can be found here:

<http://icsm2013.tue.nl/VISSOFT/>

Important Dates:

- Full Paper submission deadline: **May 6, 2013**
- Author notification: **June 17, 2013**
- Camera ready paper deadline: **July 12, 2013S**
- Deadline for submissions to NIER and tool demo tracks: **June 28, 2013**
- Notification for NIER and tool demo tracks: **July 18, 2013**

Organizers:

- Alexandru C. Telea, University of Groningen, NL (General Chair)
- Andreas Kerren, Linnaeus University, SE (Program Co-Chair)
- Andrian Marcus, Wayne State University, MI, USA (Program Co-Chair)
- Jonas Trümper, Hasso-Plattner-Institut, Univ. of Potsdam, DE (Publicity & Web Chair)
- Stephan Diehl, University of Trier, DE (NIER & Tool Demo Track Co-Chair)
- James A. Jones, University of California, Irvine, USA (NIER & Tool Demo Track Co-Chair)