

# 4th IEEE International Workshop on Visualizing Software for Understanding and Analysis



Banff Centre, Alberta, Canada - June 25-26, 2007

[www.program-comprehension.org/vissoft07/](http://www.program-comprehension.org/vissoft07/)

Co-located with the 15<sup>th</sup> IEEE International Conference on Program Comprehension (ICPC 2007)

## Call for Papers

The VISSOFT 2007 workshop will focus on visualization techniques that draw on aspects of software maintenance, program comprehension, reverse engineering, and reengineering. This event will gather researchers, tool developers, and users in a unique format to learn about, experience, and discuss techniques for visualizing software for understanding and analysis. The goals of the workshop are to work towards being able to answer the question of what is a good representation for a given situation, data availability, and required tasks.

**Research papers.** We solicit thought-provoking research papers to be presented and promote discussion during the workshop. Criteria for selection will be based on the research quality, presentation quality, and topic appropriateness for a group discussion. Topics include:

- visualization of source code, software architectures, program debugging, or reverse engineering
- empirical evaluation of the use of visualization in software engineering
- dynamic program behavior visualization
- integration of visualization tools in the software engineering tool chain
- graph and diagram drawing algorithms for software visualization (e.g., UML)

Research papers are a maximum of 8 pages in IEEE proceedings format. Papers accepted to the workshop will be included in a proceedings published by IEEE.

**Tool demonstrations.** Interested tool designers should submit a description of their software visualization tool and how it can be used to enhance software understanding. Submissions are a maximum of 2 pages (IEEE proceedings format). Accepted demonstrations will be published in the proceedings. Criteria for selection will be the maturity of the tool, its innovative aspects, and the relevance of the tool to software understanding.

**Tool competition.** In order to encourage collaboration and coordination between presentations, we suggest that participants consider demonstrating their software tool to answer a given set of questions on a given dataset. The best presentation (according to the audience vote) will be awarded. Details on the tool competition will be posted on the workshop website.

### Organizers:

#### General Chair:

Andrian Marcus, Wayne State University, USA

#### Program Co-Chairs:

Jonathan I. Maletic, Kent State University, USA

Alexandru Telea, Eindhoven University of Technology, The Netherlands

#### Contact:

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[www.program-comprehension.org/vissoft07/](http://www.program-comprehension.org/vissoft07/)

### Sponsored By:

IEEE-Computer Society Visualization and  
Graphics Technical Committee (VGTC)

IEEE-Computer Society Technical  
Council on Software Engineering (TCSE)



## Important Dates:

**Submissions:**

**Notification of authors:**

**Camera ready versions:**

**March 16<sup>th</sup> 23<sup>rd</sup>, 2007**

**April 16<sup>th</sup> 20<sup>th</sup>, 2007**

**April 30<sup>th</sup>, 2007**

