



2nd Annual "DESIGNFEST" ON VISUALIZING SOFTWARE FOR UNDERSTANDING AND ANALYSIS

Amsterdam, The Netherlands, September 22nd, 2003, Co-located with ICSM'2003

DesignFest Goals

Software visualization is a broad research area encompassing techniques that assist in a broad range of software engineering activities including: specification, design, programming, testing, maintenance, reverse engineering and reengineering. In this workshop, we will focus on visualization techniques that draw on aspects of software maintenance, program comprehension, reverse engineering, and reengineering. That is, we focus on how visualization can help programmers understand and analyze software.

This event will gather tool developers, users and researchers in a unique format to learn about, experience and discuss techniques for visualizing software for understanding and analysis. Software is inherently complex due to the number of artefacts in any system and their dynamic and static relationships. There is a need to help support program comprehension through visualization of what a system does as well as how it does it. 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.

DesignFest Format

This year's event will be a combination of a tutorial, hands-on collaborative demo and a workshop:

- Tutorial on Information Visualization presented by Dr. Colin Ware
- Hands on Collaborative Demonstration of Software Visualization Tools for Understanding and Analysis
- Workshop – presentation of position papers and discussion

Topics of interest

- Novel visualization techniques for dealing with the size and complexity of software
- Combinations of traditional information visualization techniques with program analysis and understanding techniques
- Integration of static and dynamic analysis and views
- Theories and models for software visualization
- Experiments with software visualization
- Knowledge, program representation forms, and repositories for software visualisation
- Tools and frameworks supporting software visualization

Call for Participation

The audience for VISOFT will include tool designers, users and researchers. Participants will benefit from the tutorial in the morning, as a clearer understanding of the potential advantages and limits from visualization will be presented. The tutorial will be followed by a hands-on collaborative demonstration of software visualization tools. We strongly encourage tool developers that have working prototypes to participate with their tool. We will seek input from tool users on their impressions of the tools from the demonstration. Position papers that are thought provoking are strongly encouraged to be presented and discussed during the afternoon. Deadlines for submission are August 1st, 2003 for tool submissions, and August 1st, 2003 for position papers.

VISOFT'2003 is being organized by Arie Van Deursen, CWI The Netherlands Claire Knight, Durham University UK, John Maletic, Kent University, USA, and Margaret-Anne Storey, University of Victoria, Canada.

For more information, and to submit please, email: mstorey@uvic.ca

<http://www.cs.uvic.ca/~mstorey/vissoft2003/>