



**3rd IEEE International Workshop on
Visualizing Software for Understanding and Analysis**
(VISSOFT 2005)

Budapest, Hungary September 25th, 2005

Program

- 08:00 - 19:00 Registration
- 09:00 - 09:15 **Introduction** – A. Marcus and J. Maletic
- 09:15 - 10:30 **All things UML** – Chair M. Lanza
- SAB - The Software Architecture Browser
N. Erben, K.-P. Löhr
 - Interactive Exploration of UML Sequence Diagrams
R. Sharp, A. Rountev
 - Evaluating UML Class Diagram Layout based on Architectural Importance
O. Andriyevska, N. Dragan, B. Simoes, J. I. Maletic
- Metrics and more** – Chair S. Ducasse
- Visual Exploration of Combined Architectural and Metric Information
M. Termeer, C. F. J. Lange, A. Telea, M. R. V. Chaudron
 - Visual Realism for the Visualization of Software Metrics
D. Holten, R. Vliegen, J. J. van Wijk
 - Multi-level Method Understanding Using Microprints
S. Ducasse, M. Lanza, R. Robbes
- 10:30 - 11:00 **Break**
- 11:00 - 12:30 **Software change and evolution** – Chair S. Diehl
- White Coats: Web-Visualization of Evolving Software in 3D
C. Mesnage, M. Lanza
 - Fractal Figures: Visualizing Development Effort for CVS Entities
M. D'Ambros, M. Lanza, H. Gall
 - Interactive Visual Mechanisms for Exploring Source Code Evolution
A. Telea, L. Voinea
- The past, present, and future of software visualization** – Chair M. Munro
- The Paradox of Software Visualization
S. P. Reiss
 - Towards More Flexibility in Software Visualization Tools
T. Schäfer, M. Mezini
 - User Perspectives on a Visual Aid to Program Comprehension
A. Cox, M. Fisher, J. Muzzerall
 - A Framework for Software Architecture Visualization Assessment
K. Gallagher, A. Hatch, M. Munro
- 12:30 - 14:00 **Lunch**

14:00 - 15:15

Relationships in software – Chair S. Reiss

- The Dominance Tree in Visualizing Software Dependencies
R. Falke, R. Klein, R. Koschke, J. Quante
- Exploring Relations within Software Systems Using Treemap Enhanced Hierarchical Graphs
M. Balzer, O. Deussen
- Interactive Exploration of Semantic Clusters
M. Lungu, A. Kuhn, T. Gîrba, M. Lanza

Identification of features and concepts – Chair R. Koschke

- Support for Static Concept Location with sv3D
X. Xie, D. Poshyvanyk, A. Marcus
- Visualizing Feature Interaction in 3-D
O. Greevy, M. Lanza, C. Wyseier
- Identifying Structural Features of Java Programs by Analysing the Interaction of Classes at Runtime
M. P. Smith, M. Munro

15:15 - 15:30

Concluding discussion – Chair P. Storey

15:30 - 16:00

Break

16:00 - 17:15

Tool Demonstrations

- SAB - The Software Architecture Browser
N. Erben, K.-P. Löhr
- EPOSee
M. Burch, S. Diehl, P. Weißgerber
- DependencyViewer
M. Wilhelm, S. Diehl
- BugCrawler
M. D'ambros, M. Lanza
- IRiSS + sv3D
X. Xie, D. Poshyvanyk, A. Marcus
- Jive and Jove
S. Reiss
- A Combined Software Reconnaissance & Static Analysis Eclipse Visualisation Plug-in
B. Cleary, A. Le Gear, C. Exton, J. Buckley
- Visualization of 3D UML Diagrams and 3D Design Pattern Grouping
J. Rilling, V.-L. Nguyen
- WhiteCoats
C. Mesnage, M. Lanza
- Softwareonaut
M. Lungu, M. Lanza

17:15 - 17:30

Final remarks

19:00 – 23:00

Banquet on the Danube