

Academic events on Software Visualisation

Joan S. Lopez

Maestría en Ingeniería de Sistemas y Computación

2017

Program

- Main Journal
- IEEE top rated conferences

IEEE Transactions on Visualization and Computer Graphics

- Organizer: IEEE Computer Society
- Scope: publishes research on subjects related to computer graphics and visualization techniques, systems, software, hardware, and user interface issues
- Impact Factor:
- Frequency: Monthly
- Last Issue: June 2017

Topics

- a) algorithms, techniques and methodologies;
- b) systems and software;
- c) user studies and evaluation;
- d) rendering techniques and methodologies, including real-time rendering, graphics hardware, point-based rendering, and image-based rendering;
- e) scientific, information, and biomedical visualization;
- f) volume graphics;
- g) shape modeling and processing, including image-based modeling, geometric and volumetric modeling, dynamic modeling, point-based modeling, geometry processing, shape analysis, shape matching and retrieval, and computational topology;
- h) virtual, augmented, and mixed reality;
- i) animation and simulation, including character animation, facial animation, motion-capture, physics-based simulation and animation;
- j) haptics;
- k) perception, human computer interaction and user interfaces;
- **l) visual analysis and visual analytics;**
- m) graphics aspects of computer games and edutainment;
- n) visual programming and software visualization;
- o) general purpose computing on graphics processing units (GPGPU);
- p) high-dynamic range imaging and display, 3D display technology, multi-spectral displays;
- q) computational photography;
- **r) applications of computer graphics and visualization.**

IEEE Conferences

- VISSOFT - 5th IEEE Working Conference on Software Visualization (VISSOFT 2017)
- OPENVISCONF 2017
- SCAM -17th IEEE International Working Conference on Source Code Analysis and Manipulation

IEEE VISSOFT 2017

- The fifth IEEE Working Conference on Software Visualization (VISSOFT 2017) builds upon the success of the previous four editions of VISSOFT, which in turn followed after 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 2017, VISSOFT will again be co-located with ICSME in **Shanghai, China.**

2016 best paper award winner

- Towards Actionable Visualisation in Software Development, Leonel Merino, Mohammad Ghafari, and Oscar Nierstrasz
Software Composition Group, University of Bern, Bern, Switzerland

OPENVISFONF



<https://openvisconf.com/>

IEEE International Working Conference on Source Code Analysis and Manipulation

- “The aim of this conference is to bring together researchers and practitioners working on theory, techniques and applications which concern analysis and/or manipulation of the source code of computer systems. .”
- September 17-18, 2017 - Shanghai, China

Covered Topics and Paper Formats

We welcome submission of papers that describe original and significant work in the field of source code analysis and manipulation. Topics of interest include, but are not limited to:

- static and dynamic program analysis
- repository, revision and change analysis
- automated testing, abstract interpretation, verification
- program transformation, slicing and refactoring
- software quality, energy-efficiency, and security
- source-level metrics and bad smells
- clone and bug detection and prediction
- concern and feature localization and mining