Artifact Evaluation

Results presented in technical papers are often validated or supported by artifacts. Typical artifacts are software, data sets, or detailed experimental descriptions. To reward the effort of creating artifacts, authors of accepted research papers may, if they wish, have their tools, data, or models evaluated by the Artifact Evaluation Committee (AEC). This effort was initiated at ESEC/FSE 2011 by Shriram Krishnamurthi, Carlo Ghezzi, and Andreas Zeller.

This year, 12 papers were accepted at VISSOFT, for which the authors of 4 papers submitted an artifact for review. The AEC has carefully evaluated each artifact: Two artifacts were assessed as “met expectations” or “exceeded expectations”. Two artifacts have been ruled out for various reasons (e.g., lack of documentation, artifact cannot be processed or run, artifact does not run on examples written by the AEC members).

The AEC is composed of 9 members plus 2 co-chairs, meaning that each artifact has been evaluated by three reviewers. The AEC has carried out its effort under tight time constraints. The 4 artifact reviews were written in three weeks.

From a personal perspective, we are delighted to have chaired this committee. The Artifact Evaluation Committee members worked very hard to produce quality reviews. Unfortunately, evaluating an artifact often results in facing technical details. Committee members often had to deal with installation or running procedures which were not expected by the artifact authors. The whole process went smoothly and we are sincerely grateful to all the members.

We would like to thank Matthias Hauswirth and Shriram Krishnamurthi for their remote supervision and advice on running the AEC.

Evaluated Artifacts

- Gillian Greene and Bernd Fischer – Interactive Tag Cloud Visualization of Software Version Control Repositories. This artifact has been evaluated as “exceeded expectations”.

- Florian Fittkau, Alexander Krause and Wilhelm Hasselbring – Hierarchical Software Landscape Visualization for System Comprehension: A Controlled Experiment. This artifact has been evaluated as “met expectations”.

AEC Members

The Artifact Evaluation Committee of IEEE VISSOFT 2015 is formed by:

- Andreis Chis (University of Bern)
- Jean-Christophe Bach (RMoD team)
- Ricardo Terra (UFLA)
• David Mendez Acuña (University of Rennes 1)
• Kate Isaacs (UC Davis)
• Sebastian Baltes (University of Trier)
• Emitza Guzman (Technische Universität München)
• Marcelo Schots (COPPE/UFRJ)
• Yuriy Tymchuk (University of Lugano)

The two chairs of the Artifact Evaluation Committee are:

• Alexandre Bergel (PLEIAD Lab, Department of Computer Science (DCC), University of Chile, Chile)
• Anne Etien (CRISTAL, UMR CNRS 9189, Université Lille 1 / Inria, France)