WASDeTT 2008

International Workshop on Advanced Software Development Tools and Techniques

Co-located with ECOOP 2008

Date: July 8, 2008.

Location: Paphos, Cyprus.

http://smallwiki.unibe.ch/wasdett2008/

Call for Papers

The motivation for our workshop is the observation that tools and tool building play an important role in applied computer science research. The tangible results of research projects are often embodied in a tool. Even though tool building is a popular technique to validate research (e.g., proof-of-concept prototyping followed by user studies), it is neither simple nor cheap to accomplish. Given the importance of tool building and the significant cost associated with it, we would like to initiate a workshop that allows interested researchers to share their tool building experiences and to explore how tools can be build more effectively and efficiently.

Topics of interest include, but are not limited to:

- Should tool building remain a craft?
- Should research prototypes be of commercial quality?
- How to integrate and combine independently developed tools?
- What are the positive lessons learned in building tools?
- What are the (recurring) pitfalls in tool building?
- What are the good practices?
- Are there architectures and patterns for tool building?
- How to compare or benchmark tools?
- What features in object-oriented languages make them easier to build tools for/with?

Submissions and Proceedings

Since the workshop has an interest not only in tool-builder issues, but also in experimental tools themselves, two different kinds of contributions are solicited from potential participants:

- either a traditional position paper with the participant's vision on tool-related issues;
- or an actual tool submission where the participant will get the possibility of presenting his or her tool and how it was built.

For contributions of the second kind, a special issue on Experimental Software and Toolkits (EST) of Elsevier's *Science in Computer Programming* journal will be associated with this workshop. A pre-selection of articles to be submitted to this special issue will be made based on the quality of the submitted tool papers and their demonstrations during the workshop. Not every tool paper will be selected automatically for the EST. In addition, the size of articles for the special issues will be between 15 and 25 pages as opposed to the 5 to 10 pages that are requested for the workshop contributions. Nevertheless, reviewing of the EST articles will be done by the WASDeTT program committee, extended with a few extra referees if needed. Only if the workshop would not yield enough high quality contributions, the editors of the EST special issue may solicit additional articles on tools that were not submitted to the workshop.

We deliberately do not put any restrictions on the kinds of tools that can be submitted: the tools can be early prototypes, may have been around for years, or may have recently undergone a drastic re-implementation. Nevertheless we do have a particular interest in experimental research tools (as opposed to commercial tools) and tools that target the object-oriented software development paradigm.

In spite of our focus on experimental research tools, we explicitly solicit position papers from software industrials as well. Not only will their participation in the workshop allow them to get a sneak preview of state-of-the-art research tools, their opinions and visions would allow builders of research prototypes to learn more about the actual needs of industry.

Submission Guidelines

Submit your position paper in PDF, so that we can collect all of the submissions on a web-site. Please keep all position papers **between 5 and 10 pages**, and use the style guidelines for Elsevier journal papers. A separate abstract including the e-mail addresses of the authors and URL's of their home pages must be submitted in ASCII text.

- **WASDETT Easychair Submission**

Important Dates

- Submission due: April 30, 2008 (changed, was May 18!)
- Notification of acceptance: May 26, 2008
- WASDeTT 2008: July 8, 2008
- ECOOP 2008: July 7-11, 2008

Workshop Organizers

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