

First International Workshop on ANALYSES OF SOFTWARE PRODUCT LINES (ASPL) Limerick, Ireland – September 12, 2008 www.isa.us.es/aspl08

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University of Seville, Spain
Antonio Ruiz Cortés
University of Seville, Spain
Don Batory
University of Texas at Austin, USA
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PReCISE – University of Namur, Belgium

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IKERLAN, Spain
Pascal Van Hentenryck
Brown University, USA
Kurt Wallnau
Software Engineering Institute, USA

Important Dates

Submission deadline
June 15, 2008

Notification of Acceptance
July 18, 2008

Camera ready versions due
July 25, 2008

ASPL'08 workshop
September 12, 2008

Call for Papers

The automation of software product line (SPL) analyses is of growing interest to both practitioners and researchers. In particular, automated analyses of variability models (like feature or decision models) and languages that foster declarative specifications of programs using those models are now common. We note that many of the problems that SPL engineers face are related to configuration problems that have been addressed by the Artificial Intelligence (AI) community. Indeed, the SPL community is using some of their results, e.g., BDD, CSP and SAT solvers.

This workshop is intended to bring together researchers in SPL and AI in order to review and discuss synergies of the various approaches, and to propose new ideas and results. The two long term objectives are (i) learn from what has been done up to now in AI that is related to automated analyses of SPLs and (ii) create a community interested in automated analyses of SPL in order to keep SPL tools and research up-to-date with the latest technologies.

Workshop Format

The workshop will feature presentations of peer-reviewed papers as well as already published papers, and tool demos. We intend to organize a highly interactive event in the style made popular by the REFSQ working conference (www.refsq.org) and the VaMoS workshop (www.vamos-workshop.net). Each session will be organized in order to stimulate discussions among presenters of papers, discussants and other participants. Typically, after a paper is presented, it is immediately discussed by pre-assigned discussants, after which a free discussion involving all participants follows.

Topics (non-exclusive)

The main topics of the workshop include, but are not limited to:

- Application of configuration and AI technologies for automated SPL analyses.
- Automated analyses of variability in functional and non-functional/quality requirements.
- Automated consistency checking among SPL artefacts.
- Analyses used in model driven development of SPLs.
- Automated support for SPL evolution.
- Formal methods and semantics of SPL models.
- Surveys and Comparative studies.
- Tool presentations.
- Case studies and proofs of concepts that emphasize analyses (e.g., in Embedded Systems, Information Systems, Service-based Systems).

Submissions

We expect position papers that are between 2 and 8 pages (IEEE proceedings 8.5x 11", two-column format). These can be of various types:

- Research in progress, including research results at a premature stage.
- Surveys.
- Comparative studies.
- Vision papers justifying where the research in the field should be heading.
- Tool demonstrations describing the automated analysis features of CASE tools.

We can also accept the presentation of some articles that have been already published. In this case the paper will not be part of the proceedings and will only go through a simple selection process (not a full review). Details on how to submit are available on the ASPL Web site: www.isa.us.es/aspl08.

Publication

As for other SPLC'08 workshops, high-quality ASPL'08 papers will be considered for publication in a separate volume of the SPLC'08 proceedings.

Co-located with:



12th International
**Software Product Line
Conference 2008**

Limerick, Ireland, 8 - 12 Sept 2008