Sixth International Workshop on
Variability Modelling of Software-intensive Systems
Leipzig, Germany — January 25-27, 2012
www.vamos-workshop.net

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Abstract

Managing variability is a major issue in the development, maintenance, and evolution of software-intensive systems. To be managed effectively and efficiently, variability must be explicitly modeled. As in VaMoS'11, the upcoming workshop goes beyond its predecessors by addressing variability more widely, including variability in requirements, architecture, implementation, validation, and verification as well as evolution of variability -- just to name the most important of the related issues.

The aim of the VaMoS workshop series is to bring together researchers from various areas dedicated to mastering variability to discuss advantages, drawbacks, and complementarities of various approaches, and to present new results for mastering variability throughout the whole life cycle of systems, system families, and product lines.

The workshop will feature invited keynotes as well as peer-reviewed paper presentations.

Important Dates

Submission deadline:	October 30, 2011
Notification of acceptance:	November 27, 2011
Workshop in Leipzig:	January 25-27, 2012

Featuring a keynote by
Paulo Borba, *Centro de Informatica, Universidade Federal de Pernambuco, BR*
Charles Krueger, *BigLever Software, Inc., USA*

Workshop Format

VaMoS 2012, like the five previous VaMoS workshops, will be a highly interactive event. Each session will be organized such that discussions among presenters of papers, discussants and other participants are stimulated. Typically, after a paper is presented, it is immediately discussed by pre-assigned discussants, after which a free discussion involving all participants follows. Each session is closed by a general discussion of all papers presented in the session. The workshop language is English. Attendance is open to authors of accepted papers, invited speakers, organizers, PC members, and to guest visitors who commit to become assigned as discussants of papers.

Topics (non-exclusive)

- Variability across the software life cycle
- Separation of concerns and modularity
- Evolution and adaptivity
- Variability mining"
- Reverse engineering for variability
- Feature, aspect, and service orientation
- Software configuration management
- Software economic aspects of variability
- Visualization and management of variability
- Formal reasoning and automated analysis of variability
- Application domains (e.g., embedded and information systems)
- Programming languages and tool support
- Case studies and empirical studies

Submissions

We look forward to receiving the following types of submissions:
- Research papers describing novel contributions to the field of variability.
- Problem statements describing open issues of theoretical or practical nature.
- Reports on positive or negative experiences with techniques and tools related to VaMoS.
- Surveys and comparative studies that investigate pros, cons and complementarities of existing VaMoS-related approaches.
- Research-in-progress reports including research results at a premature stage.
- Vision papers stating where the research in the field should be heading towards.
- Tool demonstrations describing the variability-related features of CASE tools.

The length of the submitted papers should be between 4 and 8 pages in ACM proceedings format (http://www.acm.org/sigs/publications/proceedings-templates).

Details on how to submit will be available on the VaMoS web site:
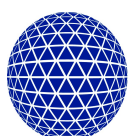http://www.vamos-workshop.net

Publication

The proceedings of the workshop will be published in the ACM Conference Proceedings Series, which includes a publication in the ACM digital library. Previous editions of VaMoS have been indexed in the DBLP repository:
http://www.informatik.uni-trier.de/~ley/db/conf/vamos/index.html

Venue

VaMoS will be hosted by the University of Leipzig, Germany.