

Fifth International Workshop on Variability Modelling of Software-intensive Systems

Namur, Belgium — January 27-29, 2011

www.vamos-workshop.net

Submission Deadline: November 10, 2010

Widening the Scope of Variability

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Call for Papers

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 modelled. 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 lifecycle of systems, system families, and product lines.

Workshop Format

VaMoS 2011, like the four previous VaMoS workshops, will be a highly interactive event. Each session will be organized in a way to stimulate discussions among presenters of papers, discussants and other participants. Each paper presentation will be first discussed by pre-assigned discussants, followed by an open discussion with all participants. Each session will end with 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, organisers, PC members, and to guest visitors who commit to become assigned as discussants of papers.

Topics (non-exclusive)

- Modelling variability in functional, quality and economics requirements
- Modelling variability in architecture and non-code artifacts
- Evolution of variability
- Analyzing and debugging variability
- Reverse engineering of variability from legacy
- Implementing variability in all artifacts of software development and maintenance
- Variability in open systems, e.g., dynamic reconfiguration, plugins
- Testing, analyzing, and debugging of software with variability
- Feature oriented software development
- Visualization of variability
- Formal reasoning and automated analysis on variability
- Configuration in variability management
- Applications, e.g., embedded systems, information systems, service-based systems
- Variability and its management in non-software related fields
- Tool support

Featuring a keynote by
Markus Völter

Submissions

We look forward to receive 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.
- **Experience reports** which report on positive or negative experiences.
- **Surveys and comparative studies** that investigate pros, cons and complementarities of existing approaches to master variability.
- **Research in progress** including research results at an early stage.
- **Vision papers** stating where the research in the field should be heading.
- **Tool demonstrations** describing the variability-related features of CASE tools.

The length of the submitted papers should be between 4 and 10 pages in IEEE CS proceedings format. Details on how to submit will be available on the VaMoS web site: www.vamos-workshop.net.

Publication

The proceedings of the workshop will be published as a research report. VaMoS proceedings are indexed in the DBLP database.

Important Dates

Submission deadline:	November 10, 2010
Notification of acceptance:	December 10, 2010
VaMoS workshop:	January 27-29, 2011

Venue

VaMoS will be hosted by the University of Namur (FUNDP), Belgium



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