

Ninth International Workshop on
**Variability Modelling of
Software-intensive Systems**
Hildesheim, Germany – January 21-23, 2015
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 modelled. As in VaMoS '14, 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

(*Deadlines extended!)

Paper submission*: November 24, 2014
Notification*: December 12, 2014
Workshop in Hildesheim: January 21 – 23, 2015

Featuring keynotes by

Jean-Marc Jézéquel, *University of Rennes 1, FR*
Stefan Kuntz, *Continental Automotive GmbH, DE*

Workshop Format

VaMoS '15, like the previous VaMoS workshops, will be a highly interactive event. Each session is 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
- Variability evolution
- Variability mining
- Reverse engineering for variability
- Feature, aspect, and service orientation
- Software configuration management
- Architecture and design approaches for variability
- Software economic aspects of variability
- Visualization and management of variability
- Adaptivity at runtime and development time
- Formal reasoning and automated analysis of variability
- 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 ACM's International Conference Proceedings Series, which includes a publication in the ACM digital library. Previous editions of VaMoS have been indexed in the DBLP repository (<http://dblp.uni-trier.de/db/conf/vamos/index.html>).

Venue

VaMoS will be hosted by Software Systems Engineering Group at the University of Hildesheim, Germany.

