



12th International Workshop on Variability Modelling of Software-Intensive Systems

7-9 February 2018, Madrid, Spain - VaMoS 2018

CALL FOR PAPERS

Variability management is a major challenge during the development, maintenance, and evolution of software-intensive systems. An important precondition for the effective and efficient management of variability is that it must be explicitly modelled. With variability modelling coming of age, it is important to consider also non-functional properties of variable software systems. The theme of VaMoS 2018 is «variability in the context», exploring the role, importance, and characteristics of context-aware, self-adaptive and critical systems that use context properties that are or can be reconfigured at post-deployment time. Therefore, in this edition we particularly focus on those modeling and implementation approaches of software variability that use context features and are able to support dynamic changes of variants at runtime.

The VaMoS workshop series aims to bring together researchers from different areas dedicated to mastering variability in order to discuss advantages, drawbacks, and complementarities of various approaches, and to present new results for mastering variability throughout the life cycle of systems, system families, and (dynamic) Software Product Lines.

TOPICS OF INTEREST (NON-EXCLUSIVE)

- ▶ Variability across the software life cycle
- ▶ Quality properties in variability models
- ▶ Runtime variability approaches
- ▶ Variability approaches to represent and manage context knowledge
- ▶ Variability in software architecture
- ▶ Managing variability at post-deployment time
- ▶ Formal verification, testing, and debugging of variable software systems
- ▶ Refactoring and evolution of variable software systems
- ▶ Variability in systems of systems
- ▶ Variability mining and reverse engineering approaches
- ▶ Formal reasoning and automated analysis on variability
- ▶ Software economic aspects of variability
- ▶ New visualisation techniques for large variability models
- ▶ Variability-constraints checking at runtime
- ▶ Multiple binding modes for critical systems

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IMPORTANT DATES

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