

Software and Services Variability Management Workshop Concepts, Models and Tools

Helsinki, Finland, April 19–20, 2007

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Call For Papers

The amount of variability required of software is constantly increasing. Variability is needed to improve customer satisfaction, cover larger and heterogeneous markets, just to mention few. In the future, the scope of variability will further be broadened. For example, software and services vary in terms of quality attributes, adapt to context and are dynamically personalized. Rigorous modelling methods, languages and tools are needed to model and manage the variability and to implement effective means for deriving products and services.

The goal of this workshop is to explore and explicate the current status and ongoing work within the field of variability by bringing together and promoting the transfer of knowledge between different disciplines and application domains, and between research and practice. Future directions for research will be outlined based on needs expressed by the industrial participants.

Earlier workshops on software variability (e.g., at SPLC, ICSE, Groningen, configuration workshops) have provided an initial understanding of the area and formed a basis for managing variability. This is achieved by bringing together researchers and practitioners from different domains. Relevant results and lessons learned can also be found in the traditional products and services, such as in the field of product configuration.

Workshop Format

Morning start: Opening keynote speech

Morning: Short introductory paper and tool presentations with ample time for discussion.

Afternoon: Group work (topics to be finalised after the contributions are known)

Plenary wrap-up discussion and generation of (outline and draft for the) workshop report.

The proceedings will be published as a technical report of Software Business and Engineering Institute of Helsinki University of Technology and distributed at the workshop.

The results of the workshop will be summarised in a report containing the state of the practice and research in software variability management and the requirements for methodology and tool support.

On the second day (Friday 20th), co-located tutorial(s) on variability management will be organised.

Submissions

Two types of submissions are encouraged:

- Position papers (max 6 pages in LNCS format), for example, describing an industrially relevant challenge, approach or requirements for tool support
- Full papers (max 15 pages in LNCS format) addressing a topic relevant to the workshop.

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

- Software variability management
- Service and architecture orientation in variability management
- Non-functional requirements and variability, e.g., Quality of Service
- Dynamic architectures and variability
- Adaptive service-oriented architectures and service discovery
- Ontologies and modelling languages for variability management
- Variability modelling tools, including feature modelling and road-mapping tools
- Formal methods for variability modelling and knowledge intensive tools
- Integration of existing software development life cycle tools into variability management
- Requirements for software and service variability management methods and tools
- Industrial case studies and real world challenges

Venue

Exact location will be defined later
Helsinki, Finland

Important Dates

Deadline for submissions January 15, 2007

(more details from www.soberit.tkk.fi/SVM-WS)

Notification of acceptance March 2, 2007

Deadline for camera-ready papers March 30, 2007

Workshop April 19–20, 2007

Collaborating partners


Tekes


VTT



HELSINKI UNIVERSITY OF TECHNOLOGY
Software Business and Engineering Institute

More information:
www.soberit.tkk.fi/SVM-WS