



Preliminary Program SPLC 2011

Sunday August 21: Workshop Day

Room	Forum 5
09:00-10:30	Third Workshop on Feature-Oriented Software Development (FOSD)
10:30-11:00	<i>Break</i>
11:00-12:30	Third Workshop on Feature-Oriented Software Development (FOSD)
12:30-14:00	<i>Lunch</i>
14:00-15:30	Third Workshop on Feature-Oriented Software Development (FOSD)
15:30-16:00	<i>Break</i>
16:00-17:30	Third Workshop on Feature-Oriented Software Development (FOSD)

Monday August 22: Workshop Day

Room	Forum 5	Forum 2	Forum 3	Forum 4	Forum 8	Forum 6	Forum 7	Boardroom
09:00-10:30	FOSD	SCArVeS	MAPLE/SCALE	T1	T2	T3	T6	T9
10:30-11:00	<i>Break</i>							
11:00-12:30	FOSD	SCArVeS	MAPLE/SCALE	T1	T2	T3	T6	T9
12:30-14:00	<i>Lunch</i>							
14:00-15:30	FOSD	SCArVeS	MAPLE/SCALE	T1	T5	T4	T7	T8
15:30-16:00	<i>Break</i>							
16:00-17:30	FOSD	SCArVeS	MAPLE/SCALE	T1	T5	T4	T7	T8
~18:00-20:00	Welcome Reception	For all SPLC participants	At the Holiday Inn					

- FOSD Third Workshop on Feature-Oriented Software Development (FOSD)
- SCArVeS 1st Workshop on Services, Clouds, and Alternative Design Strategies for Variant-Rich Software Systems (SCArVeS)
- MAPLE/SCALE Joint workshop of the 3rd International Workshop on Model-driven Approaches in Software Product Line Engineering and 3rd Workshop on Scalable Modeling Techniques for Software Product Lines (MAPLE/SCALE 2011)
- T1 Successful Product Line Engineering – Experiences from the Real World
- T2 Introduction to Software Product Lines (half-day)
- T3 Software Ecosystems (half-day)
- T4 Achieving Speed in Legacy Systems (half-day)
- T5 DSLs for Product Lines: Approaches, Tools, Experiences (half-day)
- T6 Management and Operation of a Software Product Line (half-day)
- T7 Production Planning in a Software Product Line Organization (half-day)
- T8 Leveraging Model Driven Engineering in Software Product Line Architectures (half-day)
- T9 Creating Domain-Specific Modeling Languages for Product Lines (half-day)

Tuesday August 23: Conference Day 1

9:00am - 10:30am

Opening Session (9:00 – 9:30)
Keynote: Prof. Dr. Dr. Manfred Broy
“The role of requirements and specification in product line engineering”
Location: Forum 1 & 2 & 3

Room	Forum 1	Forum 2 & 3	Forum
10:30-11:00	<i>Break</i>		
11:00-12:30	Industry 1: Product Line Economics Session Chair: Steve Livengood	Research 1: Product Lines Automation	Invited Presentations
12:30-14:00	<i>Lunch</i>		
14:00-15:30	Demo Session 1	Research 2: Model-Driven Product Lines	
15:30-16:00	<i>Afternoon Break</i>		
16:00-17:30 /18:00	Industry 2: Introducing and Growing Product Lines Session Chair: Michael Kircher	Demo Session 2 (until 18:00)	

Wednesday August 24: Conference Day 2

9:00am - 10:15am

Opening Session (9:00 – 9:15)
Keynote: Mike Hinchey
“Families (of products) in Space”
Location: Forum 1 & 2 & 3

Room	Forum 1	Forum 2 & 3
10:15-10:45	<i>Break</i>	
10:45-12:15	Industry 3: Supporting Production, Deployment and Test Session Chair: Kentaro Yoshimura	Research 3: Service Oriented Product Lines
12:15-13:45	<i>Lunch</i>	
13:45-15:15	Panel 2	Research 4: Variability Management/Modeling
15:15-15:45	<i>Break</i>	
15:45-17:15	Industry 4: Variability Modeling and Management Session Chair: Deepak Dhungana	Research 5: Product Lines Planning and Decision Making
18:00-	Conference Dinner: Boat Tour with Dinner to the Starnberger See	

Thursday August 25: Conference Day 3

9:00am - 10:15am

Opening Session (9:00 – 9:15)
Keynote: Prof. Dr.-Ing. Reinhold Achatz
“Product Line Engineering at Siemens - Challenges and Success Factors”
Location: Forum 1 & 2 & 3

Room	Forum 1	Forum 2 & 3
10:15-10:45	<i>Break</i>	
10:45-12:15	Panel 1	Research 6: Non-functional Properties
12:15-13:45	<i>Lunch</i>	
13:45-14:45	Industry 5: Architecture	Research 7: Feature-Oriented Software Development
14:45-15:15	<i>Break</i>	
15:15-16:45	Product Line Hall of Fame	
16:45-17:15	Closing main conference	

Friday August 26: Workshop Day							
Room	Forum 2	Forum 3	Forum 4	Forum 5	Forum 6	Forum 7	????
09:00-10:30	FMSPLE	KOPLE	QMSPLE	DSPL	T11	T13	DS
10:30-11:00	<i>Break</i>						
11:00-12:30	FMSPLE	KOPLE	QMSPLE	DSPL	T11	T13	DS
12:30-14:00	<i>Lunch</i>						
14:00-15:30	FMSPLE	KOPLE	QMSPLE	DSPL	T10	T12	DS
15:30-16:00	<i>Break</i>						
16:00-17:30	FMSPLE	KOPLE	QMSPLE	DSPL	T10	T12	DS

- FMSPLE 2nd International Workshop on Formal Methods and Analysis in Software Product Line Engineering (FMSPLE)
- KOPLE 2nd International Workshop on Knowledge-Oriented Product Line Engineering (KOPLE)
- QMSPLE 1st International Workshop on Quantitative Methods in Software Product Line Engineering (QMSPLE)
- DSPL Fifth International Workshop on Dynamic Software Product Lines (DSPL)
- DS SPLC Doctoral Symposium
- T10 Introduction to Software Product Adoption (half-day)
- T11 Industry Trends in Systems and Software Product Line Engineering
- T12 Transforming Legacy Systems into Software Product Lines (half-day)
- T13 Achieving Speed in Legacy Systems (half-day)

Tuesday August 23, 2011

Research 1: Product Lines Automation

Christian Wende, Uwe Assmann, Srdjan Zivkovic and Harald Kühn.

Feature-based Customisation of Tool Environments for Model-Driven Software Development

Stuart Hutchesson and John McDermid.

Towards Cost-Effective High-Assurance Software Product Lines: The Need for Property-Preserving Transformations

Ebrahim Khalil Abbasi, Arnaud Hubaux and Patrick Heymans.

A Toolset for Feature-based Configuration Workflows

Research 2: Model-Driven Product Lines

Markus Voelter and Eelco Visser.

Product Line Engineering using Domain-Specific Languages

Rasha Tawhid and Dorina Petriu.

Automatic Derivation of a Product Performance Model from a Software Product Line Model

Xiaorui Zhang, Øystein Haugen and Birger Møller-Pedersen.

Model Comparison to Synthesize a Model-Driven Software Product Line

Industry 1: Product Line Economics

Andy J. Nolan, Silvia Abrahao, Paul Clements, John D. Mcgregor and Sholom Cohen.

Towards the Integration of Quality Attributes into a Software Product Line Cost Model

Dong Li and David Weiss.

Adding Value through Software Product Line Engineering: The Evolution of the FISCAN Software Product Lines

Andy J. Nolan, Silvia Abrahao, Paul Clements and Andy Pickard.
Requirements Uncertainty in a Software Product Line

Industry 2: Introducing and Growing Product Lines

Gerard Quilty and Mel Ó Cinnéide.

Experiences with Software Product Line Development in Risk Management Software

Kentaro Yoshimura, Yoshitaka Atarashi, Jun Shimabukuro, Takatoshi Ohara, Chikashi Okamoto, Shinobu Koizumi, Shigeru Watanabe and Kazumi Funakoshi.
Key Activities for Introducing Software Product Lines into Multiple Divisions: Experience at Hitachi

Christian Tischer, Andreas Müller, Ralph Krause and Thomas Mandl.

Experiences from a Large Scale Software Product Line Merger in the Automotive Domain

Demo Session 1

J.-P. Tolvanen

MetaEdit+: Domain-Specific Modeling Environment for Product Lines

D. Beuche

Modeling and Building Software Product Lines with pure::variants

Charles W. Krueger

Systems and Software Product Line Engineering with the BigLever Software Gears SPL Framework

Demo Session 2

J. Feigenspan, M. Papendieck, C. Kästner, M. Frisch, R. Dachsel

FeatureCommander: Colorful #ifdef World

I. Feinerer

Efficient Configuration and Verification of Software Product Lines

E. K. Abbasi, A. Hubaux, P. Heymans

An Interactive Multi-perspective Toolset for Nonlinear Product Configuration Processes

S. El-Sharkawy, C. Kröher, K. Schmid
Support for complex product line populations

Invited Sponsor Presentation

Michael Stal
Educating architects in PLE at Siemens

Danilo Beuche
10 years back and forth: PLE @ pure-systems

Wednesday August 24, 2011

Research 3: Service Oriented Product Lines

Germán H. Alférez and Vicente Pelechano.
Context-Aware Autonomous Web Services in Software Product Lines

Mohammad Abu-Matar and Hassan Gomaa.
Variability Modeling for Service Oriented Product Line Architectures

Deepak Dhungana, Dominik Seichter, Goetz Botterweck, Rick Rabiser, Paul Gruenbacher, David Benavides and Jose Galindo.
Configuration of Multi Product Lines by Bridging Heterogeneous Variability Modeling Approaches

Research 4: Variability Management/Modeling

Patrizia Asirelli, Maurice H. Ter Beek, Alessandro Fantechi and Stefania Gnesi.
Formal Description of Variability in Product Families

Shigeo Kato and Nobuhito Yamaguchi.
Variation Management for Software Product Lines with Cumulative Coverage of Feature Interactions

Arne Haber, Holger Rendel, Bernhard Rumpe, Ina Schaefer and Frank Van Der Linden.
Hierarchical Variability Modeling for Software Architectures

Research 5: Product Lines Planning and Decision Making

Johannes Müller.

Value-Based Portfolio Optimization for Software Product Lines

Alexander Nöhler and Alexander Egyed.

Optimizing User Guidance during Decision-Making

Sheng Chen and Martin Erwig.

Optimizing the Product Derivation Process

Industry 3: Supporting Production, Deployment and Test

Gary Chastek, Patrick Donohoe, John Mcgregor and Dirk Muthig.

Engineering a Production Method for a Software Product Line

Michael Vierhauser, Gerald Holl, Rick Rabiser, Paul Gruenbacher, Martin Lehofer and Uwe Stürmer.

A Deployment Infrastructure for Product Line Models and Tools

Subrata Sinha, Thomas Dasch and Reinhard Ruf.

Governance and Cost Reduction through Multi-tier Preventive Performance Tests in a Large-scale Product Line Development

Industry 4: Variability Modeling and Management

Ekaterina Boutkova.

Experience with Variability Management in Requirement Specifications

Anil Thurimella and Dirk Janzen.

metadoc Feature Modeler: A Plug-in for IBM Rational DOORS

Pietu Pohjalainen.

Bottom-up modeling for a software product line: An experience report on agile modeling of governmental mobile networks

Thursday August 25, 2011

Research 6: Non-functional Properties

Norbert Siegmund, Marko Rosenmueller, Christian Kästner, Paolo Giarrusso, Sven Apel and Sergiy Kolesnikov.

Scalable Prediction of Non-functional Properties in Software Product Lines

Amir Molzam Sharifloo and Carlo Ghezzi.

Verifying Non-Functional Properties of Software Product Lines: Towards an Efficient Approach Using Parametric Model Checking

Tung Dao and Kyo Kang.

Problem Frames-based Approach to Achieving Variable Quality Attributes in Software Product Line Engineering

Research 7: Feature-Oriented Software Development

Roberto Erick Lopez-Herrejon, Leticia Montalvillo Mendizabal and Alexander Egyed.

From Requirements to Features: An Exploratory Study of Feature-Oriented Refactoring

Thomas Thüm, Christian Kästner, Sebastian Erdweg and Norbert Siegmund.

Abstract Features in Feature Modeling

Industry 5: Architecture

Joerg Bartholdt and Detlef Becker.

Re-Engineering of a Hierarchical Product Line

Frank Dordowsky, Richard Bridges and Holger Tschöpe.

Implementing a Software Product Line for a complex Avionics System