

Table of Contents

Software Variability: Requirements

Supporting Software Variability by Reusing Generic Incomplete Models at the Requirements Specification Stage	1
<i>Rebeca P. Díaz Redondo, Martín López Nores, José J. Pazos Arias, Ana Fernández Vilas, Jorge García Duque, Alberto Gil Solla, Belén Barragáns Martínez, Manuel Ramos Cabrer</i>	
Business Users and Program Variability: Bridging the Gap	11
<i>Isabelle Rouvellou, Lou Degenaro, Judah Diament, Achille Fokoue, Sam Weber</i>	
An Approach to Develop Requirement as a Core Asset in Product Line	23
<i>Mikyeong Moon, Keunhyuk Yeom</i>	

Testing Reusable Software

Towards Generating Acceptance Tests for Product Lines	35
<i>Birgit Geppert, Jenny Li, Frank Röbler, David M. Weiss</i>	
TTCN-3 Language Characteristics in Producing Reusable Test Software	49
<i>Pekka Ruuska, Matti Kärki</i>	
Software Reuse and the Test Development Process: A Combined Approach	59
<i>Mikko Karinsalo, Pekka Abrahamsson</i>	

Feature Modelling

Feature Dependency Analysis for Product Line Component Design	69
<i>Kwanwoo Lee, Kyo C. Kang</i>	
Enhancements – Enabling Flexible Feature and Implementation Selection.	86
<i>John M. Hunt, Murali Sitaraman</i>	
XML-Based Feature Modelling	101
<i>V. Cechticky, A. Pasetti, O. Rohlik, W. Schaufelberger</i>	

Aspect-Oriented Software Development

Aspects for Synthesizing Applications by Refinement 115
David Lesaint, George Papamargaritis

Framed Aspects: Supporting Variability and Configurability
for AOP 127
Neil Loughran, Awais Rashid

An Evaluation of Aspect-Oriented Programming
as a Product Line Implementation Technology 141
Michalis Anastasopoulos, Dirk Muthig

Component and Service Composition

Variability and Component Composition 157
Tijs van der Storm

Concern-Based Composition and Reuse of Distributed Systems 167
*Andrey Nechypurenko, Tao Lu, Gan Deng, Emre Turkay,
Douglas C. Schmidt, Aniruddha Gokhale*

Reusable Web Services 185
Peter Henderson, Jingtao Yang

Code Level Reuse

Quantifying COTS Component Functional Adaptation 195
Alejandra Cechich, Mario Piattini

Reuse Variables: Reusing Code and State in Timor 205
J. Leslie Keedy, Christian Heinlein, Gisela Menger

Decoupling Source Trees into Build-Level Components 215
Merijn de Jonge

Libraries, Classification, and Retrieval

Attribute Ranking: An Entropy-Based Approach
to Accelerating Browsing-Based Component Retrieval 232
Ge Li, Ying Pan, Lu Zhang, Bing Xie, Weizhong Shao

Software Reuse as Ontology Negotiation 242
Sidney C. Bailin

Component-Extraction-Based Search System
for Object-Oriented Programs 254
Hironori Washizaki, Yoshiaki Fukazawa

Model-Based Approaches

A Metamodel-Based Approach for the Dynamic Reconfiguration of Component-Based Software	264
<i>Abdelmadjid Ketfi, Nouredine Belkhatir</i>	
A Multiple-View Meta-modeling Approach for Variability Management in Software Product Lines	274
<i>Hassan Gomaa, Michael E. Shin</i>	
Validating Quality of Service for Reusable Software Via Model-Integrated Distributed Continuous Quality Assurance	286
<i>Arvind S. Krishna, Douglas C. Schmidt, Atif Memon, Adam Porter, Diego Sevilla</i>	

Transformation and Generation

Implementing Tag-Driven Transformers with Tango	296
<i>Vasian Cepa</i>	
Developing Active Help for Framework Instantiation Through Case-Based Reasoning	308
<i>Carlos J. Fernández-Conde, Pedro A. González-Calero</i>	

Requirements

Requirements-Reuse Using GOPCSD: Component-Based Development of Process Control Systems	318
<i>Islam A.M. El-Maddah, Tom S.E. Maibaum</i>	
Reuse, Standardization, and Transformation of Requirements	329
<i>Miguel A. Laguna, Oscar López, Yania Crespo</i>	

Author Index	339
-------------------------------	-----



<http://www.springer.com/978-3-540-22335-1>

Software Reuse: Methods, Techniques, and Tools
8th International Conference, ICSR 2004, Madrid, Spain,
July 5-9, 2004, Proceedings
Bosch, J.; Krueger, C. (Eds.)
2004, XI, 339 p., Softcover
ISBN: 978-3-540-22335-1