

Table of Contents

Invited Talk

Semantic Web Services – Fundamentals and Advanced Topics	1
<i>Christoph Bussler</i>	

Langugages and Models

Support for Value Types in an Object-Oriented Programming Language . .	9
<i>Beate Ritterbach</i>	

Self-accounting as Principle for Portable CPU Control in Java	24
<i>Walter Binder and Jarle Hulaas</i>	

Agents and Semantic Web

Organizing Knowledge in a Semantic Web for Pathology	39
<i>Robert Tolksdorf and Elena Paslaru Bontas</i>	

Listening to Agents – Transparent Representation and Presentation of Agent Communication in Mobile Systems	55
<i>Matthias Jöst, Matthias Merdes, and Rainer Malaka</i>	

Supporting Software Prcesses I

Co-operative and Distributed Configuration	69
<i>Ander Altuna, Alvaro Cabrerizo, Iñaki Laresgoiti, Nieves Peña, and Daniel Sastre</i>	

Micro-measurements for Dynamic Aspect-Oriented Systems	81
<i>Michael Haupt and Mira Mezini</i>	

Supporting Software Prcesses II

Testing of Service-Oriented Architectures – A Practical Approach	97
<i>Shahram Dustdar and Stephan Haslinger</i>	

A UML Profile for GUI Layout	110
<i>Kai Blankenhorn and Mario Jeckle</i>	

Software Product Lines

Reconciling Feature Modeling: A Feature Modeling Metamodel	122
<i>Valentino Vranić</i>	

Feature-Oriented Development of Software Product Lines:
Mapping Feature Models to the Architecture 138
Periklis Sochos, Ilka Philippow, and Matthias Riebisch

Managing Product Line Variability by Patterns 153
Jürgen Meister, Ralf Reussner, and Martin Rohde

Software Architectures

UnSCom: A Standardized Framework for the Specification
of Software Components 169
Sven Overhage

A Cross-Platform Application Environment
for Nomadic Desktop Computing 185
Stefan Paal, Reiner Kammüller, and Bernd Freisleben

Case Study and Visions

Agile Software Engineering:
A New System for an Expanding Business Model at SCHUFA 201
Rainer Burkhardt and Volker Gruhn

Ercatons: Thing-Oriented Programming 216
Oliver Imbusch, Falk Langhammer, and Guido von Walter

Author Index 239