# Table of Contents

## Invited Talk

Semantic Web Services – Fundamentals and Advanced Topics ............ 1
*Christoph Bussler*

## Languages and Models

Support for Value Types in an Object-Oriented Programming Language .. 9
*Beate Ritterbach*

Self-accounting as Principle for Portable CPU Control in Java ............ 24
*Walter Binder and Jarle Hulaas*

## Agents and Semantic Web

Organizing Knowledge in a Semantic Web for Pathology .................. 39
*Robert Tolksdorf and Elena Paslaru Bontas*

Listening to Agents – Transparent Representation
and Presentation of Agent Communication in Mobile Systems ............ 55
*Matthias Jöst, Matthias Merdes, and Rainer Malaka*

## Supporting Software Processes I

Co-operative and Distributed Configuration ............................... 69
*Ander Altuna, Alvaro Cabrerizo, Iñaki Laregoiti, Nieves Peña,
and Daniel Sastre*

Micro-measurements for Dynamic Aspect-Oriented Systems ............ 81
*Michael Haupt and Mira Mezini*

## Supporting Software Processes II

Testing of Service-Oriented Architectures – A Practical Approach ........ 97
*Schahram Dustdar and Stephan Haslinger*

A UML Profile for GUI Layout ............................................ 110
*Kai Blankenhorn and Mario Jeckle*

## Software Product Lines

Reconciling Feature Modeling: A Feature Modeling Metamodel ............. 122
*Valentino Vranić*
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

   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
Object-Oriented and Internet-Based Technologies
5th Annual International Conference on Object-Oriented and Internet-Based Technologies, Concepts, and Applications for a Networked World, Net.ObjectDays 2004 Erfurt, Germany, September 27-30, 2004
Proceedings
Weske, M.; Liggesmeyer, P. (Eds.)
2004, XII, 239 p., Softcover
ISBN: 978-3-540-23201-8