Table of Contents

Keynote	
Delivering Requirements Research into Practice: A Keynote to the REFSQ'2011 Conference	1
Session 1: Security and Sustainability	
Supporting Requirements Engineers in Recognising Security Issues Eric Knauss, Siv Houmb, Kurt Schneider, Shareeful Islam, and Jan Jürjens	4
Discovering Sustainability Requirements: An Experience Report Martin Mahaux, Patrick Heymans, and Germain Saval	19
Session 2: Process Improvement and Requirements in Context	
Requirements Engineering Process Improvement: An Industrial Case	
Study	34
Requirements for a Nutrition Education Demonstrator	48
Scaling Up Requirements Engineering – Exploring the Challenges of Increasing Size and Complexity in Market-Driven Software	
Development	54
Session 3: Elicitation	
Towards a New Understanding of Small and Medium Sized Enterprises in Requirements Engineering Research	60
Research Preview: Supporting End-User Requirements Elicitation Using Product Line Variability Models	66
Interview Patterns for Requirements Elicitation	72



72

Lauri Ann Scheinholtz and Ilona Wilmont

A Heuristic Approach for Supporting Product Innovation in Requirements Engineering: A Controlled Experiment	78
Session 4: Models	
Satisfying User Needs at the Right Time and in the Right Place: A Research Preview	94
Flexible Sketch-Based Requirements Modeling	100
Use Cases versus Task Descriptions	106
Session 5: Services	
E-Service Requirements from a Consumer-Process Perspective	121
Is It Beneficial to Match Reusable Services Earlier?	136
Session 6: Embedded and Real-Time Systems	
Requirements Engineering for Embedded Systems: An Investigation of Industry Needs	151
Applying Restricted English Grammar on Automotive Requirements—Does it Work? A Case Study	166
Session 7: Prioritization and Traceability	
Agile Requirements Prioritization: What Happens in Practice and What Is Described in Literature	181
Mining Requirements Links	196
Clustering Stakeholders for Requirements Decision Making Varsha Veerappa and Emmanuel Letier	202
Author Index	209