Table of Contents

RE and Architecture

Software Architects' Experiences of Quality Requirements: What We Know and What We Do Not Know?	1
A Persona-Based Approach for Exploring Architecturally Significant Requirements in Agile Projects	18
Natural Language Requirements	
Using Clustering to Improve the Structure of Natural Language Requirements Documents	34
Automatic Requirement Categorization of Large Natural Language Specifications at Mercedes-Benz for Review Improvements	50
Requirement Ambiguity Not as Important as Expected — Results of an Empirical Evaluation	65
The Design of SREE — A Prototype Potential Ambiguity Finder for Requirements Specifications and Lessons Learned	80
RE and Quality	
Factors Influencing User Feedback on Predicted Satisfaction with Software Systems	96
reqT.org – Towards a Semi-Formal, Open and Scalable Requirements Modeling Tool	112
Maps of Lessons Learnt in Requirements Engineering: A Research Preview	119

Traceability

Requirements Traceability across Organizational Boundaries - A Survey and Taxonomy	12
Patrick Rempel, Patrick Mäder, Tobias Kuschke, and Ilka Philippow	
Regulatory Requirements Traceability and Analysis Using Semi-formal Specifications	14
A Survey on Usage Scenarios for Requirements Traceability in Practice	15
RE and Business/Goals	
The Emergence of Mutual and Shared Understanding in the System Development Process	17
Highlighting Stakeholder Communities to Support Requirements Decision-Making	19
Choosing Compliance Solutions through Stakeholder Preferences Silvia Ingolfo, Alberto Siena, Ivan Jureta, Angelo Susi, Anna Perini, and John Mylopoulos	20
Supporting Decision-Making for Self-Adaptive Systems: From Goal Models to Dynamic Decision Networks	22
Mapping i* within UML for Business Modeling	23
Risk Identification at the Interface between Business Case and Requirements	25
RE and Software Development	
Analyzing an Industrial Strategic Release Planning Process – A Case Study at Roche Diagnostics	20

Table of Contents	XVII
Redefinition of the Requirements Engineer Role in Mjølner's Software Development Process	285
Distances between Requirements Engineering and Later Software Development Activities: A Systematic Map Elizabeth Bjarnason	293
Analyzing the Tracing of Requirements and Source Code during Software Development	308
RE in Practice	`
Requirements Engineering Meets Physiotherapy An Experience with Motion-Based Games	315
Use Case and Requirements Analysis in a Remote Rural Context in Mali	331
Requirements Engineering in Practice: There Is No Requirements Engineer Position	347
Product Lines and Product Management	
Effective Requirements Elicitation in Product Line Application Engineering – An Experiment	362
Monitoring System-of-Systems Requirements in Multi Product Lines Thomas Klambauer, Gerald Holl, and Paul Grünbacher	379
Adjusting to Increasing Product Management Problems: Challenges and Improvement Proposals in One Software Company	386
Author Index	401