

Table of Contents

SQL Pattern Design and Development <i>Huda Al-Shuaily and Karen Renaud</i>	1
Building a General Pattern Framework via Set Theory: Towards a universal pattern approach <i>Alexander G. Mirnig and Manfred Tscheligi</i>	8
From Pattern Languages to Solution Implementations <i>Michael Falkenthal, Johanna Barzen, Uwe Breitenbucher, Christoph Fehling, and Frank Leymann</i>	12
Reconfiguration Patterns for Goal-Oriented Monitoring Adaptation <i>Antoine Toueir, Julien Broisin, and Michelle Sibilla</i>	22
Dynamic Incremental Fuzzy C-Means Clustering <i>Bryant Aaron, Dan Tamir, Naphtali Rishe, and Abraham Kandel</i>	28
SPEM: A Software Pattern Evaluation Method <i>Jaap Kabbedijk, Rene van Donselaar, and Slinger Jansen</i>	38
Generating Java EE 6 Application Layers and Components in JBoss Environment <i>Gabor Antal, Adam Zoltan Vegh, and Vilmos Bilicki</i>	44
Refinement Patterns for an Incremental Construction of Class Diagrams <i>Boulbaba Ben Ammar and Mohamed Tahar Bhiri</i>	50
Automating Cloud Application Management Using Management Idioms <i>Uwe Breitenbucher, Tobias Binz, Oliver Kopp, and Frank Leymann</i>	60
A Method for Situational and Guided Information System Design <i>Dalibor Krleza and Kresimir Fertalj</i>	70
An Analytic Evaluation of the SaCS Pattern Language – Including Explanations of Major Design Choices <i>Andre Alexandersen Hauge and Ketil Stolen</i>	79
Privacy by Design Permission System for Mobile Applications <i>Karina Sokolova, Marc Lemercier, and Jean-Baptiste Boisseau</i>	89
Effectively Updating Co-location Patterns in Evolving Spatial Databases <i>Jin Soung Yoo and Hima Vasudevan</i>	96