

Table of Contents

Business Process

A Rule-Based Approach for Model Management in a User Interface – Business Alignment Framework	1
<i>Kenia Sousa, Hildeberto Mendonça, and Jean Vanderdonckt</i>	
Towards Intuitive Modeling of Business Processes: Prospects for Flow- and Natural-Language Orientation	15
<i>Matthias Neubauer, Stefan Oppl, and Christian Stary</i>	
Supporting Business Model Modelling: A Compromise between Creativity and Constraints	28
<i>Boris Fritscher and Yves Pigneur</i>	

Design Process

A Service-Oriented Approach for Interactive System Design	44
<i>Jorge Luis Pérez Medina, Sophie Dupuy-Chessa, and Dominique Rieu</i>	
Facilitating Adaptation in Virtual Environments Using a Context-Aware Model-Based Design Process	58
<i>Johanna Renny Octavia, Lode Vanacke, Chris Raymaekers, Karin Coninx, and Eddy Flerackers</i>	

Model Driven Approach

Task Models for Safe Software Evolution and Adaptation	72
<i>Jan Van den Bergh, Deepak Sahni, and Karin Coninx</i>	
Coherent Task Modeling and Execution Based on Subject-Oriented Representations	78
<i>Albert Fleischmann, Sonia Lippe, Nils Meyer, and Christian Stary</i>	
Weighting Task Procedure for Zoomable Task Hierarchy Modeling of Rich Internet Applications	92
<i>Francisco J. Martínez-Ruiz, Jean Vanderdonckt, and Jaime Muñoz</i>	

Task Modeling

Task Modelling Using Situation Calculus	103
<i>Martin Randles, David England, and A. Taleb-Bendiab</i>	

Formally Expressing the Users' Objects World in Task Models 117
*Sybillle Caffiau, Patrick Girard, Dominique L. Scapin,
Laurent Guittet, and Lo   Sanou*

Task Models and UML

iUCP – Estimating Interaction Design Projects with Enhanced Use
Case Points 131
Nuno Jardim Nunes

Agent-Based User Interface Generation from Combined Task, Context
and Domain Models 146
*Vi Tran, Manuel Kolp, Jean Vanderdonckt, Yves Wautelet, and
St  phane Faulkner*

Author Index 163