

Table of Contents

UML: The Birth and Rise of a Standard Notation.....	1
<i>J. Bézivin, P.A. Muller</i>	
Developing with UML - Some Pitfalls and Workarounds	9
<i>M. Hitz, G. Kappel</i>	
Supporting and Applying the UML Conceptual Framework.....	21
<i>C. Atkinson</i>	
Modeling: Is It Turning Informal into Formal?.....	37
<i>B. Morand</i>	
Best of Both Worlds – A Mapping from EXPRESS-G to UML.....	49
<i>F. Arnold, G. Podehl</i>	
Porting ROSES to UML – An Experience Report	64
<i>A. Olivé, M.R. Sancho</i>	
Making UML Models Interoperable with UXF.....	78
<i>J. Suzuki, Y. Yamamoto</i>	
Transformation Rules for UML Class Diagrams.....	92
<i>M. Gogolla & M. Richters</i>	
Semantics and Transformations for UML Models.....	107
<i>K. Lano, J. Bicarregui</i>	
Automation of Design Pattern: Concepts, Tools and Practices.....	120
<i>P. Desfray</i>	
Automating the Synthesis of UML StateChart Diagrams from Multiple Collaboration Diagrams	132
<i>I. Khriss, M. Elkoutbi, R. K. Keller</i>	
Informal Formality? The Object Constraint Language and Its Application in the UML Metamodel.....	148
<i>A. Kleppe, J. Warner, S. Cook</i>	
Reflections on the Object Constraint Language	162
<i>A. Hamie, F. Civello, J. Howse, S. Kent, R. Mitchell</i>	

VIII Table of Contents

On Using UML Class Diagrams for Object-Oriented Database Design Specification of Integrity Constraints	173
<i>Y. Ou</i>	
Literate Modelling – Capturing Business Knowledge with the UML	189
<i>J. Arlow, W. Emmerich, J. Quinn</i>	
Applying UML to Design an Inter-domain Service Management Application.....	200
<i>M. Mancona Kandé, S. Mazaher, O. Prnjat, L. Sacks, M. Wittig</i>	
BOOSTER*Process A Software Development Process Model Integrating Business Object Technology and UML	215
<i>A. Korthaus, S. Kuhlins</i>	
Hierarchical Context Diagram with UML: An Experience Report on Satellite Ground System Analysis.....	227
<i>E. Bourdeau, P. Lugagne, P. Roques</i>	
Extension of UML Sequence Diagrams for Real-Time Systems.....	240
<i>J. Seeman, J. Wolff v. Gudenberg</i>	
UML and User Interface Modeling.....	253
<i>S. Kovacevik</i>	
On the Role of Activity Diagrams in UML – A User Task Centered Development Process for UML	267
<i>B. Paech</i>	
Structuring UML Design Deliverables	278
<i>P. Hruby</i>	
Considerations of and Suggestions for a UML-Specific Process Model.....	294
<i>K. Kivisto</i>	
An Action Language for UML: Proposal for a Precise Execution Semantics.....	307
<i>S.J. Mellor, S.R. Tockey, R. Arthaud, P. Leblanc</i>	
Real-Time Modeling with UML: The ACCORD Approach.....	319
<i>A. Lanusse, S. Gérard, F. Terrier</i>	
The UML as a Formal Modeling Notation	336
<i>A. Evans, R. France, K. Lano, B. Rumpe</i>	
OML: Proposals to Enhance UML	349
<i>B. Henderson-Sellers</i>	

Validating Distributed Software Modeled with the Unified Modeling Language	365
<i>J.M. Jézéquel, A. Le Guennec, F. Pennanearc'h</i>	
Supporting Disciplined Reuse and Evolution of UML Models	378
<i>T. Mens, C. Lucas, P. Steyaert</i>	
Applying UML Extensions to Facilitate Software Reuse	393
<i>N.G. Lester, F.G. Wilkie, D.W. Bustard</i>	
A Formal Approach to Use Cases and Their Relationships	406
<i>G. Övergaard, K. Palmkvis</i>	
A Practical Framework for Applying UML	419
<i>P. Allen</i>	
Extending Aggregation Constructs in UML	434
<i>M. Saksena, M.M. Larrondo-Petrie, R.B. France, M.P.Evett</i>	
Author Index.....	443