Enterprise Modeling and Computing with UML

Table of Contents

Foreword............................................................................................................................................. vi

Preface................................................................................................................................................ ix

Section I: UML Extensions for Enterprise Modeling

Chapter I
Extending UML to Support Business Activity Modeling .................................................. 1
  Lars Bækgaard, Aalborg University, Denmark

Chapter II
Modeling and Specification of Collaborative Business Processes
with an MDA Approach and a UML Profile................................................................. 13
  Pablo David Villarreal, CDIDI - Universidad Tecnológica Nacional, Argentina
  Enrique Salomone, INGAR-CONICET, Argentina
  Omar Chiotti, Universidad Tecnológica Nacional & INGAR-CONICET, Argentina

Chapter III
Enterprise Modeling with the Joint Use of User Requirements
Notation and UML.................................................................................................................. 46
  Anna Medve, Pannon University, Hungary
Chapter X
Modeling the Resource Perspective of Business Processes by
UML Activity Diagram and Object Petri Net.........................................................206
  Kamyar Sarshar, Institute for Information Systems (IWi) at the German Research
  Center for Artificial Intelligence (DFKI), Germany
  Peter Loos, Institute for Information Systems (IWi) at the German Research
  Center for Artificial Intelligence (DFKI), Germany

Section V: Quality and Consistency in Enterprise Modeling

Chapter XI
Merging and Outsourcing Information Systems with UML..............................234
  Herman Balsters, University of Groningen, The Netherlands

Chapter XII
Verification and Validation of Nonfunctional Aspects in Enterprise
Modeling .............................................................................................................261
  András Pataricza, Budapest University of Technology and Economics, Hungary
  András Balogh, Budapest University of Technology and Economics, Hungary
  Lázló Gőnczy, Budapest University of Technology and Economics, Hungary

About the Authors ..................................................................................................304

Index .....................................................................................................................311