

1. Record Nr.	UNINA9910483713703321
Titolo	Model driven architecture : foundations and applications : second European conference, ECMDA-FA 2006, Bilbao, Spain, July 10-13, 2006 : proceedings / / Arend Rensink, Jos Warmer (eds.)
Pubbl/distr/stampa	Berlin, : Springer-Verlag, c2006
ISBN	3-540-35910-9
Edizione	[1st ed. 2006.]
Descrizione fisica	1 online resource (XII, 396 p.)
Collana	Lecture notes in computer science, , 0302-9743 ; ; 4066 LNCS sublibrary. SL 2, Programming and software engineering
Altri autori (Persone)	RensinkArend WarmerJos B
Disciplina	004.2/2
Soggetti	Model-driven software architecture
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"... the European Conference on Model Driven Architecture - Foundations and Applications (ECMDA-FA)"--Pref.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Integration -- A Model-Driven Architectural Framework for Integration-Capable Enterprise Application Product Lines -- Systems Integration Methodology Based on MDA -- Applications of Transformations -- From Analysis Model to Software Architecture: A PIM2PIM Mapping -- MDA Approach for Maintenance of Business Applications -- Applications of MDA -- Definition and Generation of Data Exchange Formats in AUTOSAR -- A Model Driven Approach to Engineering of Flexible Manufacturing System Control Software -- Process -- MDD Maturity Model: A Roadmap for Introducing Model-Driven Development -- A Process Framework for the Successful Adoption of Model Driven Development -- Model Consistency -- Finding a Path to Model Consistency -- Dynamic Logic Semantics for UML Consistency -- Model Management -- The Epsilon Object Language (EOL) -- Using a Model Merging Language for Reconciling Model Versions -- Transformation (1) -- RubyTL: A Practical, Extensible Transformation Language -- MCC: A Model Transformation Environment -- Ontologies -- A Model Driven Integration Architecture for Ontology-Based Context Modelling and Context-Aware Application Development -- Ontology-Based Composition and Transformation for Model-Driven Service Architecture -- Reengineering -- Harvesting Software Systems for MDA-Based

Reengineering -- A Methodology for Database Reengineering to Web Services -- Tools and Profiles -- Business Process Modeling: Defining Domain Specific Modeling Languages by Use of UML Profiles -- Constraint Support in MDA Tools: A Survey -- Tool Generation -- Automatic Generation of Modelling Tools -- Model Driven Development of Multi-Agent Systems -- Constraints -- Limes: An Aspect-Oriented Constraint Checking Language -- An Algebraic Specification of Generic OCL Queries Within the Eclipse Modeling Framework -- Model Management and Transformations -- A Comparison of Configuration Techniques for Model Transformations -- A Canonical Scheme for Model Composition -- Transformation (2) -- MOFLON: A Standard-Compliant Metamodeling Framework with Graph Transformations -- Mutation Analysis Testing for Model Transformations.

---

## Sommario/riassunto

Model-Driven Architecture, including model-driven approaches in general, holds the big promise of moving software development towards a higher level of abstraction. Given the challenges in the software industry of delivering more complex functionality with less effort, I am convinced that it isn't a question of whether model-driven development will succeed, but rather a question of when it will break through. However, before this can happen, we have many challenging problems to conquer. There are both theoretical and pragmatic problems to solve and therefore we need a close collaboration between industry and the academic world.

The goal of the European Conference on Model-Driven Architecture--Foundations and Applications (ECMDA-FA) is to bring together industry and academia to tackle the problems in model-driven development. This volume includes 18 foundation papers and 12 application papers, which is a bridge between both worlds. ECMDA-FA 2006 also hosted six workshops on both theoretical and practical aspects of MDA. Furthermore, the keynote speakers, David Frankel and Bran Selic, from some of the world's largest IT companies proved that industry is very much involved in MDA.

---