

1. Record Nr.	UNINA9910484628803321
Titolo	Model driven architecture : foundations and applications : 4th European conference, ECMDA-FA 2008, Berlin, Germany, June 9-13, 2008 : proceedings / / Ina Schieferdecker, Alan Hartman (eds.)
Pubbl/distr/stampa	Berlin ; ; New York, : Springer, c2008
ISBN	3-540-69100-6
Edizione	[1st ed. 2008.]
Descrizione fisica	1 online resource (XIII, 446 p.)
Collana	Lecture notes in computer science, , 0302-9743 ; ; 5095 LNCS sublibrary. SL 2, Programming and software engineering
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Disciplina	003.3
Soggetti	Model-driven software architecture
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Research Session -- The Epsilon Generation Language -- Constructing and Visualizing Transformation Chains -- Towards Roundtrip Engineering - A Template-Based Reverse Engineering Approach -- Annotation Framework Validation Using Domain Models -- Prototyping Visual Interpreters and Debuggers for Domain-Specific Modelling Languages -- Data Flow Analysis of UML Action Semantics for Executable Models -- From UML Activities to TAAL - Towards Behaviour-Preserving Model Transformations -- A Practical MDA Approach for Autonomic Profiling and Performance Assessment -- Ladder Metamodeling and PLC Program Validation through Time Petri Nets -- Array OL Descriptions of Repetitive Structures in VHDL -- Textual Modelling Embedded into Graphical Modelling -- Classification of Concrete Textual Syntax Mapping Approaches -- Metamodel Syntactic Sheets: An Approach for Defining Textual Concrete Syntaxes -- Graphical Concrete Syntax Rendering with SVG -- Semantics Preservation of Sequence Diagram Aspects -- Generic Reusable Concern Compositions -- Modeling Human Aspects of Business Processes -- A View-Based, Model-Driven Approach -- A Semantics-Based Aspect Language for Interactions with the Arbitrary Events Symbol -- Model-Driven Platform-Specific Testing through Configurable Simulations -- Testing Metamodels -- A Metamodeling

Approach for Reasoning about Requirements -- Industrial Session --
Model-Driven Security in Practice: An Industrial Experience --
Supporting the UML State Machine Diagrams at Runtime -- Model-
Based Generation of Interlocking Controller Software from Control
Tables -- Model-Driven Simulation of a Maritime Surveillance System
-- Towards Utilizing Model-Driven Engineering of Composite
Applications for Business Performance Analysis -- From Business
Architecture to SOA Realization Using MDD -- Realizing an MDA and
SOA Marriage for the Development of Mobile Services -- A Survey about
the Intent to Use Visual Defect Annotations for Software Models --
MDA-Based Methodologies: An Analytical Survey -- Where Is the Proof?
- A Review of Experiences from Applying MDE in Industry.

Sommario/riassunto

This book constitutes the refereed proceedings of the 4th European Conference on Model Driven Architecture - Foundations and Applications, ECMDA-FA 2008, held in Berlin, Germany, in June 2008. The 31 revised full papers presented - 21 research papers and 10 industry papers - were carefully reviewed and selected from 87 submissions. The papers address all current issues of model-driven architecture, i.e. model management, executable models, concrete syntaxes, aspects, and concerns, validation and testing, model-based systems engineering, model-driven development and service-oriented architectures, and the application of model-driven development. The papers are organized in topical sections on model management, executable models, concrete syntaxes, aspects and concerns, validation and testing, model-based systems engineering, model-driven development and service-oriented architectures, as well as surveys on applying model-driven development.
