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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.
