

1. Record Nr.	UNINA9910484668503321
Titolo	Model Driven Engineering Languages and Systems : 9th International Conference, MoDELS 2006, Genova, Italy, October 1-6, 2006, Proceedings / / edited by Oscar Nierstrasz, Jon Whittle, David Harel, Gianna Reggio
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2006
ISBN	3-540-45773-9
Edizione	[1st ed. 2006.]
Descrizione fisica	1 online resource (XIV, 694 p.)
Collana	Programming and Software Engineering, , 2945-9168 ; ; 4199
Altri autori (Persone)	NierstraszOscar Marius <1957->
Disciplina	005.117
Soggetti	Computer programming Software engineering Compilers (Computer programs) Computer simulation Electronic data processing - Management Programming Techniques Software Engineering Compilers and Interpreters Computer Modelling IT Operations
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	Keynote 1 -- A Software Modeling Odyssey: Designing Evolutionary Architecture-Centric Real-Time Systems and Product Lines -- Evaluating UML -- Uses and Abuses of the Stereotype Mechanism in UML 1.x and 2.0 -- An Experimental Investigation of UML Modeling Conventions -- Improving the Definition of UML -- MDA in Software Development -- Adopting Model Driven Software Development in Industry -- A Case Study at Two Companies -- Use Case Driven Iterative Development: Hurdles and Solutions -- Model-Driven Development with SDL -- Process, Tools, and Experiences -- Concrete Syntax -- Model-Driven Analysis and Synthesis of Concrete Syntax -- Correctly Defined Concrete Syntax for Visual Modeling Languages -- Applying

UML to Interaction and Coordination -- Compositional MDA -- CUP  
 2.0: High-Level Modeling of Context-Sensitive Interactive Applications  
 -- Aspects -- Domain Models Are NOT Aspect Free -- A Slice of MDE  
 with AOP: Transforming High-Level Business Rules to Aspects -- Model  
 Integration -- Package Merge in UML 2: Practice vs. Theory? --  
 Detecting and Resolving Model Inconsistencies Using Transformation  
 Dependency Analysis -- Merging Models with the Epsilon Merging  
 Language (EML) -- Formal Semantics of UML -- Mappings, Maps and  
 Tables: Towards Formal Semantics for Associations in UML2 --  
 Semantic Variations Among UML State Machines -- Facilitating the  
 Definition of General Constraints in UML -- Security -- Towards a  
 MOF/QVT-Based Domain Architecture for Model Driven Security --  
 MDA-Based Re-engineering with Object-Z -- A Model Transformation  
 Semantics and Analysis Methodology for SecureUML -- Model  
 Transformation Tools and Implementation -- Incremental Model  
 Transformation for the Evolution of Model-Driven Systems -- A Plugin-  
 Based Language to Experiment with Model Transformation -- SiTra:  
 Simple Transformations in Java -- Analyzing Dynamic Models --  
 Analysis and Visualization of Behavioral Dependencies Among  
 Distributed Objects Based on UML Models -- Model Extraction Using  
 Context Information -- Dynamic and Generic Manipulation of Models:  
 From Introspection to Scripting -- Specifying Transformations -- Model  
 Transformation by Example -- Graphical Definition of In-Place  
 Transformations in the Eclipse Modeling Framework -- Model  
 Transformations? Transformation Models! -- MOF -- A Mapping  
 Language from Models to DI Diagrams -- Basic Operations over Models  
 Containing Subset and Union Properties -- A Metamodeling Approach  
 to Pattern Specification -- Keynote 2 -- Immune System Computation  
 and the Immunological Homunculus -- Bridging Models -- Building  
 Abstractions in Class Models: Formal Concept Analysis in a Model-  
 Driven Approach -- Lifting Metamodels to Ontologies: A Step to the  
 Semantic Integration of Modeling Languages -- Incremental Model  
 Synchronization with Triple Graph Grammars -- Risk, Trust and  
 Dependability -- Model-Driven Assessment of Use Cases for  
 Dependable Systems -- A Graphical Approach to Risk Identification,  
 Motivated by Empirical Investigations -- Reusable MDA Components: A  
 Testing-for-Trust Approach -- Tool Environments -- Using Smalltalk  
 as a Reflective Executable Meta-language -- UML Model Interchange in  
 Heterogeneous Tool Environments: An Analysis of Adoptions of XMI 2  
 -- Applying Model Fragment Copy-Restore to Build an Open and  
 Distributed MDA Environment -- OCL -- An OCL-Based Technique for  
 Specifying and Verifying Refinement-Oriented Transformations in MDE  
 -- An OCL Semantics Specified with QVT -- Specification of Invariability  
 in OCL -- Roundtrip Engineering -- Framework-Specific Modeling  
 Languages with Round-Trip Engineering -- A Visualization Framework  
 for the Modeling and Formal Analysis of High Assurance Systems --  
 Layered Class Diagrams: Supporting the Design Process -- Real Time  
 and Embedded Systems -- Using UML Activities for System-on-Chip  
 Design and Synthesis -- Modeling and Early Performance Estimation for  
 Network Processor Applications -- A Formal Semantics of UML-RT --  
 Workshops, Tutorials and Panels -- Workshops and Symposia at  
 MoDELS 2006 -- Tutorials at MoDELS 2006 -- Panels at MoDELS 2006.

## Sommario/riassunto

This book constitutes the refereed proceedings of the 9th International  
 Conference on Model Driven Engineering Languages and Systems  
 (formerly UML conferences), MoDELS 2006. The book presents 51  
 revised full papers and 2 invited papers. Discussion is organized in  
 topical sections on evaluating UML, MDA in software development,  
 concrete syntax, applying UML to interaction and coordination, aspects,

model integration, formal semantics of UML, security, model  
transformation tools and implementation, and more.

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