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Titolo	Formal Methods for Software Architectures : Third International School on Formal Methods for the Design of Computer, Communication and Software Systems: Software Architectures, SFM 2003, Bertinoro, Italy, September 22-27, 2003, Advanced Lectures / / edited by Marco Bernardo, Paola Inverardi
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Collana	Lecture Notes in Computer Science, , 0302-9743 ; ; 2804
Disciplina	005.3
Soggetti	Software engineering Programming languages (Electronic computers) Computer logic Software Engineering/Programming and Operating Systems Software Engineering Programming Languages, Compilers, Interpreters Logics and Meanings of Programs
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
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Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Formal Modeling and Analysis of Software Architecture: Components, Connectors, and Events -- From System Goals to Software Architecture -- Software Architecture Modeling & Analysis: A Rigorous Approach -- The Application of Dependence Analysis to Software Architecture Descriptions -- Validating Distributed Object and Component Designs -- Software Architecture for Correct Components Assembly -- Formal Methods in Testing Software Architectures -- Architecture Based Evolution of Software Systems -- Software Architecture for Mobile Computing -- Performance Evaluation at the Software Architecture Level -- Software Architecture and Dependability.
Sommario/riassunto	In the past ten years or so, software architecture has emerged as a central notion in the development of complex software systems.

Software architecture is now accepted in the software engineering research and development community as a manageable and meaningful abstraction of the system under development and is applied throughout the software development life cycle, from requirements analysis and validation, to design and down to code and execution level. This book presents the tutorial lectures given by leading authorities at the Third International School on Formal Methods for the Design of Computer, Communication and Software Systems, SFM 2003, held in Bertinoro, Italy, in September 2003. The book is ideally suited for advanced courses on software architecture as well as for ongoing education of software engineers using formal methods in their day-to-day professional work.
