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Collana	Lecture Notes in Computer Science, , 0302-9743 ; ; 2621
Disciplina	005.1
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
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Keynote -- Symbiosis of Static Analysis and Program Testing -- Software Components -- An Ontology for Software Component Matching -- A Description Language for Composable Components -- A Logical Basis for the Specification of Reconfigurable Component-Based Systems -- An Overall System Design Approach Doing Object-Oriented Modeling to Code-Generation for Embedded Electronic Systems -- Mobile Computing -- Composing Specifications of Event Based Applications -- A Spatio-Temporal Logic for the Specification and Refinement of Mobile Systems -- Spatial Security Policies for Mobile Agents in a Sentient Computing Environment -- Aspect and Object-Oriented Programming -- Towards UML-Based Formal Specifications of Component-Based Real-Time Software -- Modelling Recursive Calls with UML State Diagrams -- Pipa: A Behavioral Interface Specification

Language for Aspect -- PacoSuite and JAsCo: A Visual Component Composition Environment with Advanced Aspect Separation Features -- Distributed and Web Applications -- Model-Based Development of Web Applications Using Graphical Reaction Rules -- Modular Analysis of Dataflow Process Networks -- Software Measurements -- Foundations of a Weak Measurement-Theoretic Approach to Software Measurement -- An Information-Based View of Representational Coupling in Object-Oriented Systems -- Formal Verification -- A Temporal Approach to Specification and Verification of Pointer Data-Structures -- A Program Logic for Handling Java Card's Transaction Mechanism -- Monad-Independent Hoare Logic in HASCASL -- Visual Specifications of Policies and Their Verification -- Analysis and Testing -- Automatic Model Driven Animation of SCR Specifications -- Probe Mechanism for Object-Oriented Software Testing -- Model Checking Software via Abstraction of Loop Transitions -- Model Integrations and Extensions -- Integration of Formal Datatypes within State Diagrams -- Xere: Towards a Natural Interoperability between XML and ER Diagrams -- Detecting Implied Scenarios Analyzing Non-local Branching Choices -- Capturing Overlapping, Triggered, and Preemptive Collaborations Using MSCs.

Sommario/riassunto

This book constitutes the refereed proceedings of the 6th International Conference on Fundamental Approaches to Software Engineering, FASE 2003, held in Warsaw, Poland, in April 2003. The 20 revised full papers presented together with a keynote paper were carefully reviewed and selected from 89 submissions. The papers are organized in topical sections on software components, mobile computing, aspects and web applications, software measurements, formal verification, analysis and testing, and model integration and extension.
