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Collana	Lecture Notes in Computer Science, , 0302-9743 ; ; 2755
Disciplina	005.1
Soggetti	Software engineering Computer logic Computer science Logic, Symbolic and mathematical Computer science—Mathematics Software Engineering/Programming and Operating Systems Logics and Meanings of Programs Computer Science, general Software Engineering Mathematical Logic and Formal Languages Symbolic and Algebraic Manipulation
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	Invited Technical Papers -- AGILE: Software Architecture for Mobility -- A Coinductive Calculus of Component Connectors -- An Attempt at Analysing the Consistency Problems in the UML from a Classical Algebraic Viewpoint -- MultiMedia Instruction in Safe and Secure Systems -- Invited Non-technical Papers -- Zero, Connected, Empty -- Zero, Connected, Empty: An Essay after a Cantata -- Contributed Papers -- Type Checking Parametrised Programs and Specifications in ASL?+?FPC -- Pre-nets, Read Arcs and Unfolding: A Functorial Presentation -- Coreflective Concurrent Semantics for Single-Pushout

Graph Grammars -- Completeness Results for Fibred Parchments -- Use of Patterns in Formal Development: Systematic Transition from Problems to Architectural Designs -- Conditional Circular Coinductive Rewriting with Case Analysis -- Verifying Generative Casl Architectural Specifications -- Algebraic Higher-Order Nets: Graphs and Petri Nets as Tokens -- The Coinductive Approach to Verifying Cryptographic Protocols -- Behavioural Equivalence and Indistinguishability in Higher-Order Typed Languages -- Approach-Independent Structuring Concepts for Rule-Based Systems -- Notions of Behaviour and Reachable-Part and Their Institutions -- Combining Specification Formalisms in the 'General Logic' of Multialgebras -- On How Distribution and Mobility Interfere with Coordination -- Foundations of Heterogeneous Specification -- Algebraic-Coalgebraic Specification in CoCasl -- Translating Logics for Coalgebras -- Presenting and Combining Inference Systems -- Monad-Independent Dynamic Logic in HasCasl -- Preserving Properties in System Redesign: Rule-Based Approach.

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Sommario/riassunto

This book constitutes the thoroughly refereed post-proceedings of the 16th International Workshop on Algebraic Development Techniques, WADT 2002, held at Frauenchiemsee, Germany in September 2002. The 20 revised full papers presented together with 6 invited papers were carefully improved and selected from 44 workshop presentations during two rounds of reviewing. The papers are devoted to topics like formal methods for system development, specification languages and methods, systems and techniques for reasoning about specifications, specification development systems, methods and techniques for concurrent, distributed, and mobile systems, and algebraic and co-algebraic methods.

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