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Titolo	Rigorous methods for software construction and analysis : essays dedicated to Egon Borger on the occasion of his 60th birthday // Jean-Raymond Abrial, Uwe Glasser (eds.)
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Collana	Lecture notes in computer science, , 0302-9743 ; ; 5115 LNCS sublibrary. SL 1, Theoretical computer science and general issues
Altri autori (Persone)	AbrialJean-Raymond GlasserUwe <1959-> BorgerE <1946-> (Egon)
Disciplina	004.0151
Soggetti	Formal methods (Computer science) System design
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Note generali	Festschrift for Egon Borger.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Relaxing Restrictions on Invariant Composition in the B Method by Ownership Control a la Spec# -- Designing Old and New Distributed Algorithms by Replaying an Incremental Proof-Based Development -- Ten Reasons to Metamodel ASMs -- An ASM-Characterization of a Class of Distributed Algorithms -- Using Abstract State Machines for the Design of Multi-level Transaction Schedulers -- Validating and Animating Higher-Order Recursive Functions in B -- A Systematic Verification Approach for Mondex Electronic Purses Using ASMs -- Management of UML Clusters -- A Step towards Merging xUML and CSP B -- CoreASM Plug-In Architecture -- JASMine: Accessing Java Code from CoreASM -- A Modular Verification Methodology for C# Delegates -- On the Evolution of OCL for Capturing Structural Constraints in Modelling Languages -- Ten Commandments Ten Years On: Lessons for ASM, B, Z and VSR-net.
Sommario/riassunto	This Festschrift volume, published in honor of Egon Börger, contains 14 papers from a Dagstuhl Seminar, which was organized as a

"Festkolloquium" on the occasion of his 60th birthday in May 2006. Focusing on applied formal methods, the volume covers a wide range of applied research, spanning from theoretical and methodological foundations to practical applications of Abstract State Machines, B, and beyond, emphasizing universal methods and tools that, regardless of their applicational orientation, are still committed to the ideal of mathematical rigor. In particular, the papers address the following central topics: methodological foundations of requirements specification and verification, characterization of specification languages and their logical foundations, advanced tool environments and systematic integration of tools, machine assisted validation and verification, distributed algorithms and concurrent protocols, novel applications in public safety, security and privacy, industrial case studies and experience reports, and the role of formal methods in computer science education.
