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   Nota di contenuto   Invited Talks -- How Can We Make Industry Adopt Formal Methods? --
                        Programmers Ain't Mathematicians, and Neither Are Testers --
                        Contract-Based Reasoning for Verification and Certification of Secure
                        Information Flow Policies in Industrial Workflows -- Specification and
                        Verification -- Specifying and Verifying Event-Based Fairness Enhanced
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                        Using Model Checker -- Requirements Coverage as an Adequacy
                        Measure for Conformance Testing -- Verification 1 -- Decomposition
                        for Compositional Verification -- A Formal Soundness Proof of Region-
                        Based Memory Management for Object-Oriented Paradigm -- Program
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                        Untrusted Code-Generators -- A Practical Approach to Partiality – A
                        Proof Based Approach -- A Representative Function Approach to
                        Symmetry Exploitation for CSP Refinement Checking -- Tools --

Probing the Depths of CSP-M: A New fdr-Compliant Validation Tool -- Practical Automated Partial Verification of Multi-paradigm Real-Time Models -- Application of Formal Methods -- Specifying and Verifying Sensor Networks: An Experiment of Formal Methods -- Correct Channel Passing by Construction -- Semantics -- A Process Semantics for BPMN -- A Formal Descriptive Semantics of UML.

| Sommario/riassunto | This book constitutes the refereed proceedings of the 10th International Conference on Formal Engineering Methods, ICFEM 2008, held in Kitakyushu-City, Japan, October 2008. The 20 revised full papers together with 3 invited talks presented were carefully reviewed and selected from 62 submissions. The papers address all current issues in formal methods and their applications in software engineering. They are organized in topical sections on specification and verification; testing; verification; model checking and analysis; tools; application of formal methods; semantics. |