图书基本信息

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内容概要

This book constitutes the refereed proceedings of the 5th International Conference on Integrated Formal Methods, IFM 2005, held in Eindhoven, The Netherlands, in November/December 2005. The 19 revised full papers presented together with 3 invited papers were carefully reviewed and selected from 40 submissions. The papers are organized in topical sections on components, state/event-based verification, system development, applications of B, tool support, non-software domains, semantics, as well as UML and statecharts.

书籍目录

Invited Papers A Family of Mathematical Methods for Professional Software Documentation Generating Path Conditions for Timed Systems Software Model Checking: Searching for Computations in the Abstract or the Adaptive Techniques for Specification Matching in Embedded Systems A ConcreteSession: Components Comparative StudySession: State/Event-Based Verification State/Event Software Verification for Branching-Time Specifications Exp. Open 2.0: A Flexible Tool Integrating Partial Order, Compositional, and On-The-Fly Verification Methods Chunks: Component Verification in CSP||BSession: System Development Agile Formal Method Engineering An Automated Failure Mode and Effect Analysis Based on High-Level Design Specification with Behavior Trees Enabling Security Testing from Specification to CodeSession: Applications of B Development of Fault Tolerant Grid Applications Using Distributed B Formal Methods Meet Domain Specific Languages Synthesizing B Specifications from EB3 Attribute DefinitionsSession: Tool Support CZT Support for Z Extensions Embedding the Stable Failures Model of CSP in PVS Prototyping of an Interoperability Protocol for Mobile Ad-Hoc NetworksPeder Christian NcrgaardSession: Non-software Domains Translating Hardware Process Algebras into Standard Process Algebras: Illustration with CHP and LOTOS Formalising Interactive Voice Services with SDLSession: SemanticsSession: UML and StatechartsAuthor Index

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