Davies / Gibbons

Integrated Formal Methods

6th International Conference, IFM 2007, Oxford, UK, July 2-5, 2007, Proceedings

This book constitutes the refereed proceedings of the 6th International Conference on Integrated Formal Methods, IFM 2007, held in Oxford, UK. It addresses all aspects of formal methods integration, including of a process of analysis or design application of formal methods to analysis or design, extension of one method based upon the inclusion of ideas or concepts from others, and semantic integration or practical application.

Verifying Temporal Properties of CommUnity Designs.- Precise Scenarios - A Customer-Friendly Foundation for Formal Specifications.- Automated Verification of Security Policies in Mobile Code.- Slicing Concurrent Real-Time System Specifications for Verification.- Slotted-Circus.- Bug Hunting with False Negatives.- Behavioural Specifications from Class Models.- Inheriting Laws for Processes with States.- Probabilistic Timed Behavior Trees.- Guiding the Correction of Parameterized Specifications.- Proving Linearizability Via Non-atomic Refinement.- Lifting General Correctness into Partial Correctness is ok.- Verifying CSP-OZ-DC Specifications with Complex Data Types and Timing Parameters.- Modelling and Verification of the LMAC Protocol for Wireless Sensor Networks.- Finding State Solutions to Temporal Logic Queries.- Qualitative Probabilistic Modelling in Event-B.- Verifying Smart Card Applications: An ASM Approach.- Verification of Probabilistic Properties in HOL Using the Cumulative Distribution Function.- UTP Semantics for Web Services.- Combining Mobility with State.- Algebraic Approaches to Formal Analysis of the Mondex Electronic Purse System.- Capturing Conflict and Confusion in CSP.- A Stepwise Development Process for Reasoning About the Reliability of Real-Time Systems.- Decomposing Integrated Specifications for Verification.- Validating Z Specifications Using the ProB Animator and Model Checker.- Verification of Multi-agent Negotiations Using the Alloy Analyzer.- Integrated Static Analysis for Linux Device Driver Verification.- Integrating Verification, Testing, and Learning for Cryptographic Protocols.- Translating FSP into LOTOS and Networks of Automata.- Common Semantics for Use Cases and Task Models.- Unifying Theories of Objects.- Non-interferenceProperties for Data-Type Reduction of Communicating Systems.- Co-simulation of Distributed Embedded Real-Time Control Systems.



106,99 €
99,99 € (zzgl. MwSt.)

Lieferfrist: bis zu 10 Tage

Artikelnummer: 9783540732099
Medium: Buch
ISBN: 978-3-540-73209-9
Verlag: Springer
Erscheinungstermin: 22.06.2007
Sprache(n): Englisch
Auflage: Erscheinungsjahr 2007
Serie: Programming and Software Engineering
Produktform: Kartoniert
Gewicht: 1001 g
Seiten: 662
Format (B x H): 155 x 235 mm

Kundenservice Verlag Dr. Otto Schmidt KG
Neumannstraße 10, 40235 Düsseldorf | kundenservice@otto-schmidt.de | 0221-93738-997 (Inland)