

<<Formal Modeling and >>

图书基本信息

书名：<<Formal Modeling and Analysis of Timed Systems 时间系统的形式建模与分析/会议录>>

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内容概要

This book constitutes the thoroughly refereed post-proceedings of the Third International Conference on Formal Modeling and Analysis of Timed Systems, FORMATS 2005, held in Uppsala, Sweden in September 2005 in conjunction with ARTIST2 summer school on Component Modelling, Testing and Verification, and Static analysis of embedded systems. The 19 revised full papers presented together with the abstracts of 3 invited talks were carefully selected from 43 submissions. The papers cover work on semantics and modeling of timed systems, formalisms for modeling and verification including timed automata, hybrid automata, and timed petri nets, games for verification and synthesis, model-checking, case studies and issues related to implementation, security and performance analysis.

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书籍目录

Invited Talk Modular Performance Analysis of Distributed Embedded Systems
Logic and Specification Real Time Temporal Logic: Past, Present, Future
Translating Timed I/O Automata Specifications for Theorem Proving in PVS
SpecificAtion and Refinement of Soft Real-Time Requirements Using Sequence Diagrams
Times Games and Synthesis On Optimal Timed Strategies Average Reward Timed Games
Beyond Liveness: Efficient Parameter Synthesis for Time Bounded Liveness
Invited Talk Verification of Parameterized Timed Systems
Model Checking Model Checking the Time to Reach Agreement Diagonal Constraints in Timed Automata: Forward Analysis of Timed Systems
A New Verification Procedure for Partially Clairvoyant Scheduling
Invited Talk Timing Analysis and Simulation Tools for Real-Time Control
Hybrid Systems Automatic Rectangular Refinement of Affine Hybrid Systems
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Petri Nets Comparison of the Expressiveness of Timed Automata and Time Petri Nets
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