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Disciplina	005.8
Soggetti	Data protection Machine theory Application software Computer engineering Computer networks Data and Information Security Formal Languages and Automata Theory Computer and Information Systems Applications Computer Engineering and Networks
Lingua di pubblicazione	Inglese
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Content-Driven Reputation for Collaborative Systems -- Challenges for Quantitative Analysis of Collective Adaptive Systems -- The Scribble Protocol Language -- Dynamic Measurement and Protected Execution: Model and Analysis -- Security Correctness for Secure Nested Transactions -- Types for Resources in Psi-Calculi -- A Sorted Semantic Framework for Applied Process Calculi -- Static Deadlock Resolution in the Pi-Calculus -- Fine-Grained and Coarse-Grained Reactive Noninterference -- Information Flow Analysis for Valued-Indexed Data Security Compartments -- A Library For Removing

Cache-Based Attacks in Concurrent Information Flow Systems --
Models, Specifications and Proofs -- Specification of Asynchronous
Component Systems with Modal I/O-Petri Nets -- A Formal Model for
the Deferred Update Replication Technique -- Studying Operational
Models of Relaxed Concurrency -- Certificates and Separation Logic --
On-the-Fly Fast Mean-Field Model-Checking -- Group-by-Group
Probabilistic Bisimilarities and Their Logical Characterizations.

Sommario/riassunto

This book constitutes the thoroughly refereed post-conference proceedings of the 8th International Symposium on Trustworthy Global Computing, TGC 2013, held in Buenos Aires, Argentina, in August 2013. The 15 revised full papers presented together with 3 invited talks were carefully reviewed and selected from 29 submissions. The papers cover a wide range of topics in the area of global computing and safe and reliable computation. They are organized in topical sections on security, λ -calculus, information flow, models, specifications and proofs and quantitative analysis.
