

1. Record Nr.	UNISA996465907903316
Titolo	Trustworthy Global Computing [[electronic resource]] : 5th International Symposium, TGC 2010, Munich, Germany, February 24-26, 2010, Revised Selected Papers / / edited by Martin Wirsing, Martin Hofmann, Axel Rauschmayer
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2010
ISBN	1-280-38883-8 9786613566751 3-642-15640-1
Edizione	[1st ed. 2010.]
Descrizione fisica	1 online resource (XII, 380 p. 72 illus.)
Collana	Theoretical Computer Science and General Issues, , 2512-2029 ; ; 6084
Disciplina	005.8
Soggetti	Cryptography Data encryption (Computer science) Computer networks Electronic data processing—Management Algorithms Software engineering Coding theory Information theory Cryptology Computer Communication Networks IT Operations Software Engineering Coding and Information Theory
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and author index.
Nota di contenuto	Invited Talks -- Symbolic and Analytic Techniques for Resource Analysis of Java Bytecode -- Perspectives in Certificate Translation -- Uniform Labeled Transition Systems for Nondeterministic, Probabilistic, and Stochastic Processes -- Toward a Game-Theoretic Model of Grid Systems -- Functions as Processes: Termination and the -Calculus --

Predicate Encryption for Secure Remote Storage -- Trust in Crowds:
 Probabilistic Behaviour in Anonymity Protocols -- Types and Processes
 -- Expressiveness of Generic Process Shape Types -- A Java Inspired
 Semantics for Transactions in SOC -- Responsive Choice in Mobile
 Processes -- A Model of Evolvable Components -- Games and
 Concurrent Systems -- The Impact of Altruism on the Efficiency of
 Atomic Congestion Games -- Stressed Web Environments as Strategic
 Games: Risk Profiles and Weltanschauung -- An Algebra of Hierarchical
 Graphs -- Property-Preserving Refinement of Concurrent Systems --
 Certification of Correctness -- Certificate Translation for the
 Verification of Concurrent Programs -- Certified Result Checking for
 Polyhedral Analysis of Bytecode Programs -- Tools and Languages -- A
 Novel Resource-Driven Job Allocation Scheme for Desktop Grid
 Environments -- A Framework for Rule-Based Dynamic Adaptation --
 CarPal: Interconnecting Overlay Networks for a Community-Driven
 Shared Mobility -- Refactoring Long Running Transactions: A Case
 Study -- Probabilistic Aspects -- Approximate Model Checking of
 Stochastic COWS -- Probabilistic Aspects: Checking Security in an
 Imperfect World -- A Tool for Checking Probabilistic Properties of
 COWS Services.

Sommario/riassunto

Global computing refers to computation over “global computers,” i.e., com-
 putational infrastructures available globally and able to provide
 uniform services with variable guarantees for communication,
 cooperation and mobility, resource usage, security policies and
 mechanisms, etc., with particular regard to exploiting their universal
 scale and the programmability of their services. As the scope and
 computational power of such global infrastructures continue to grow, it
 comes more and more important to develop methods, theories and
 techniques for trustworthy systems running on global computers. This
 book constitutes the thoroughly refereed proceedings of the 7th edition
 of the International Symposium on Trustworthy Global Computing
 (TGC 2010) that was held in Munich, Germany, February 24-26, 2010.
 The Symposium on Trustworthy Global Computing is an international
 annual venue dedicated to safe and reliable computation in global
 computers. It focuses on providing frameworks, tools, and protocols
 for constructing well-behaved applications and on reasoning
 rigorously about their behavior and properties. The related models of
 computation incorporate code and data mobility over distributed
 networks with highly dynamic topologies and heterogeneous devices.