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Altri autori (Persone)	PriamiCorrado QuagliaPaola
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Soggetti	Software engineering Computer networks Computer programming Operating systems (Computers) Artificial intelligence Software Engineering Computer Communication Networks Programming Techniques Operating Systems Artificial Intelligence
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Symbolic Equivalences for Open Systems -- Specifying and Verifying UML Activity Diagrams Via Graph Transformation -- Mobile UML Statecharts with Localities -- Communities: Concept-Based Querying for Mobile Services -- Towards a Formal Treatment of Secrecy Against Computational Adversaries -- For-LySa: UML for Authentication Analysis -- Performance Analysis of a UML Micro-business Case Study -- Efficient Information Propagation Algorithms in Smart Dust and NanoPeer Networks -- The Kell Calculus: A Family of Higher-Order Distributed Process Calculi -- A Software Framework for Rapid Prototyping of Run-Time Systems for Mobile Calculi -- A Generic Membrane Model (Note) -- A Framework for Structured Peer-to-Peer

Overlay Networks -- Verifying a Structured Peer-to-Peer Overlay Network: The Static Case -- A Physics-Style Approach to Scalability of Distributed systems -- BGP-Based Clustering for Scalable and Reliable Gossip Broadcast -- Trust Lifecycle Management in a Global Computing Environment -- The SOCS Computational Logic Approach to the Specification and Verification of Agent Societies -- The KGP Model of Agency for Global Computing: Computational Model and Prototype Implementation.

Sommario/riassunto

This volume collects revised versions of some of the papers presented at the Second IST/FET International Workshop on Global Computing held in Rovereto, Italy (9-12 March, 2004). The workshop involved all the thirteen projects funded under the IST/FET proactive initiative on GLOBAL COMPUTING: AGILE; CRESCCO; DART; DBGLOBE; DEGAS; FLAGS; MIKADO; MRG; MYTHS; PEPITO; PROFUN- DIS; SECURE; SOCS. The first aim of the GLOBAL COMPUTING initiative is the development of paradigms for building flexible, dependable, secure, robust and efficient systems. Primary research concerns are the co-ordination, interaction, security, reliability, robustness, and risk control of the entities in the global system. The ultimate goal of the research action is to provide a solid scientific foundation for the design of such systems, and to lay the groundwork for achieving effective principles for building and analysing them. The workshop covered topics related to programming environments, dynamic reconfiguration, resource guarantees, peer-to-peer networks, analysis of systems and resources, resource sharing, and security, as well as foundational calculi for mobility. The present collection offers a rich sample of research results on the above subjects. We acknowledge the Dipartimento di Informatica e Telecomunicazioni of the University of Trento for partially funding the workshop, and the Events and Meetings Office of the University of Trento for the valuable collaboration.
