1. Record Nr. UNINA9910484079303321

Titolo	Analytical and Stochastic Modeling Techniques and Applications : 16th International Conference, ASMTA 2009, Madrid, Spain, June 9-12, 2009, Proceedings / / edited by Khalid Al-Begain, Dieter Fiems, Gábor Horváth
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Descrizione fisica	1 online resource (XI, 401 p.)
Collana	Programming and Software Engineering, , 2945-9168 ; ; 5513
Classificazione	DAT 250f DAT 280f MAT 608f SS 4800
Altri autori (Persone)	Al-BegainKhalid FiemsDieter HorvathGabor
Disciplina	004.6015118
Soggetti	Software engineering Computer engineering Computer networks Electronic digital computers - Evaluation Computer simulation Software Engineering Computer Engineering and Networks Computer Communication Networks System Performance and Evaluation Computer Modelling
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 index.
Nota di contenuto	Telecommunication Networks -- Comparison of Multi-service Routing Strategies for IP Core Networks -- Analysis of Opportunistic Spectrum Access in Cognitive Ad Hoc Networks -- How Would Ants Implement an Intelligent Route Control System? -- User Access to Popular Data on the Internet and Approaches for IP Traffic Flow Optimization -- Wireless

and Mobile Networks -- Solving Multiserver Systems with Two Retrial Orbits Using Value Extrapolation: A Comparative Perspective -- Study of the Path Average Lifetime in Ad Hoc Networks Using Stochastic Activity Networks -- Overall Delay in IEEE 802.16 with Contention-Based Random Access -- Analyzing the Impact of Various Modulation and Coding Schemes on the MAC Layer of IEEE 802.11 WLANs -- Simulation -- Improving the Efficiency of the Proxel Method by Using Individual Time Steps -- Efficient On-Line Generation of the Correlation Structure of F-ARIMA Processes -- Different Monotonicity Definitions in Stochastic Modelling -- Queueing Systems and Distributions -- Preliminary Results on a Simple Approach to G/G/c-Like Queues -- Moments Characterization of Order 3 Matrix Exponential Distributions -- Analysis of Discrete-Time Buffers with General Session-Based Arrivals -- On the Characterization of Product-Form Multiclass Queueing Models with Probabilistic Disciplines -- Queueing and Scheduling in Telecommunication Networks -- A Queuing Model for the Non-continuous Frame Assembly Scheme in Finite Buffers -- Equilibrium in Size-Based Scheduling Systems -- Scalable Model for Packet Loss Analysis of Load-Balancing Switches with Identical Input Processes -- Mixed Finite-/Infinite-Capacity Priority Queue with General Class-1 Service Times -- Model Checking and Process Algebra -- Stochastic Automata Networks with Master/Slave Synchronization: Product Form and Tensor.-Weak Stochastic Comparisons for Performability Verification -- Numerical Method for Bounds Computations of Discrete-Time Markov Chains with Different State Spaces -- Performance and Reliability Analysis of Various Systems -- Approximate Conditional Distributions of Distances between Nodes in a Two-Dimensional Sensor Network -- An Analytic Model for Optimistic STM with Lazy Locking -- Optimal Adaptive Inspection Planning Process in Service of Fatigued Aircraft Structures -- Stochastic Modelling of Poll Based Multimedia Productions -- Modeling and Analysis of Checkpoint I/O Operations.

Sommario/riassunto

This book constitutes the refereed proceedings of the 16th International Conference on Analytical and Stochastic Modeling Techniques and Applications, ASMTA 2009, held in Madrid, Spain, in June 2009 in conjunction with ECMS 2009, the 23nd European Conference on Modeling and Simulation. The 27 revised full papers presented were carefully reviewed and selected from 55 submissions. The papers are organized in topical sections on telecommunication networks; wireless & mobile networks; simulation; quueing systems & distributions; queueing & scheduling in telecommunication networks; model checking & process algebra; performance & reliability analysis of various systems.

2. Record Nr. UNINA9910372795603321

Titolo	Paradoxes of Interactivity : Perspectives for Media Theory, Human-Computer Interaction, and Artistic Investigations / Uwe Seifert, Jin Hyun Kim, Anthony Moore
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Descrizione fisica	1 online resource (344)
Collana	Kultur- und Medientheorie
Classificazione	AP 11800
Disciplina	302.231
Soggetti	New Media Art Interactivity Human-Computer Interaction Media Theory Music Media Technology Human Digital Media Media Art Media Philosophy Media Studies
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Frontmatter 1 Contents 6 The Co-Evolution of Humans and Machines: A Paradox of Interactivity 8 Does the Body Disappear? A Comment on Computer Generated Spaces 26 Transparency and Opacity: Interface Technology of Mediation in New Media Art 44 Where the Action is: Distributed Agency between Humans, Machines, and Programs 62 Surface, Interface, Subface: Three Cases of Interaction and One Concept 92 Double Cross Playing Diamonds: Understanding Interactivity in/between Bigraphs and Diamonds 110

Sommario/riassunto

Current findings from anthropology, genetics, prehistory, cognitive and neuroscience indicate that human nature is grounded in a co-evolution of tool use, symbolic communication, social interaction and cultural transmission. Digital information technology has recently entered as a new tool in this co-evolution, and will probably have the strongest impact on shaping the human mind in the near future. A common effort from the humanities, the sciences, art and technology is necessary to understand this ongoing co- evolutionary process. Interactivity is a key for understanding the new relationships formed by humans with social robots as well as interactive environments and wearables underlying this process. Of special importance for understanding interactivity are human-computer and human-robot interaction, as well as media theory and New Media Art. »Paradoxes of Interactivity« brings together reflections on »interactivity« from different theoretical perspectives, the interplay of science and art, and recent technological developments for artistic applications, especially in the realm of sound.