

1. Record Nr.	UNISA996204726603316
Titolo	Computer Aided Verification [[electronic resource]] : 27th International Conference, CAV 2015, San Francisco, CA, USA, July 18-24, 2015, Proceedings, Part I // edited by Daniel Kroening, Corina S. Psreanu
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2015
ISBN	3-319-21690-2
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (XXIII, 677 p. 141 illus.)
Collana	Theoretical Computer Science and General Issues, , 2512-2029 ; ; 9206
Disciplina	004
Soggetti	Computer science Software engineering Machine theory Computer engineering Computer networks Computer Science Logic and Foundations of Programming Software Engineering Formal Languages and Automata Theory Computer Engineering and Networks
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	A Trusted Mechanised Specification of JavaScript: One Year On -- Model Checking and Refinements -- On Automation of CTL* Verification for Infinite-State Systems -- Algorithms for Model Checking HyperLTL and HyperCTL -- Fairness Modulo Theory: A New Approach to LTL Software Model Checking -- Model Checking Parameterized Asynchronous Shared-Memory Systems -- SMT and POR Beat Counter Abstraction: Parameterized Model Checking of Threshold-Based Distributed Algorithms -- Skipping Refinement -- Quantitative Reasoning -- Percentile Queries in Multi-dimensional Markov Decision Processes -- Faster Algorithms for Quantitative Verification in Constant Treewidth Graphs -- Counterexample Explanation by Learning Small Strategies in Markov Decision Processes -- Symbolic Polytopes for Quantitative Interpolation and Verification -- Adaptive Aggregation of

Markov Chains: Quantitative Analysis of Chemical Reaction Networks -- PROPhESY: A PRObabilistic ParamEter SYnthesis Tool -- Software Analysis -- Effective Search-Space Pruning for Solvers of String Equations, Regular Expressions and Length Constraints -- Automata-Based Model Counting for String Constraints -- OpenJDK's Java.utils.Collection.sort() Is Broken: The Good, the Bad and the Worst Case -- Tree Buffers -- Learning Commutativity -- Specifications -- Angelic Verification: Precise Verification Modulo Unknowns -- The SeaHorn Verification Framework -- Automatic Rootcausing for Program Equivalence Failures in Binaries -- Fine-Grained Caching of Verification Results -- Predicting a Correct Program in Programming by Example -- Abstract Interpretation with Higher-Dimensional Ellipsoids and Conic Extrapolation -- Lightning Talks -- ADAM: Causality-Based Synthesis of Distributed Systems -- Alchemist: Learning Guarded Affine Functions -- OptiMathSAT: A Tool for Optimization Modulo Theories -- Systematic Asynchrony Bug Exploration for Android Apps -- Norn: An SMT Solver for String Constraints -- PVSio-web 2.0: Joining PVS to HCI -- The Hanoi Omega-Automata Format -- The Open-Source LearnLib: A Framework for Active Automata Learning -- BBS: A Phase-Bounded Model Checker for Asynchronous Programs -- Time-Aware Abstractions in HybridSal -- A Type-Directed Approach to Program Repair -- Formal Design and Safety Analysis of AIR6110 Wheel Brake System -- Meeting a Powertrain Verification Challenge -- Synthesising Executable Gene Regulatory Networks from Single-Cell Gene Expression Data -- Empirical Software Metrics for Benchmarking of Verification Tools -- Interpolation, IC3/PDR, and Invariants Property-Directed Inference of Universal Invariants or Proving Their Absence -- Efficient Anytime Techniques for Model-Based Safety Analysis -- Boosting k-induction with Continuously-Refined Invariants -- Fast Interpolating BMC -- Counterexample-Guided Polynomial Loop Invariant Generation by Lagrange Interpolation.

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#### Sommario/riassunto

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The two-volume set LNCS 9206 and LNCS 9207 constitutes the refereed proceedings of the 27th International Conference on Computer Aided Verification, CAV 2015, held in San Francisco, CA, USA, in July 2015. The total of 58 full and 11 short papers presented in the proceedings was carefully reviewed and selected from 252 submissions. The papers were organized in topical sections named: model checking and refinements; quantitative reasoning; software analysis; lightning talks; interpolation, IC3/PDR, and Invariants; SMT techniques and applications; HW verification; synthesis; termination; and concurrency.

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2. Record Nr.	UNINA9910143625603321
Titolo	Mobile Agents for Telecommunication Applications : Third International Workshop, MATA 2001, Montreal, Canada, August 14-16, 2001. Proceedings // edited by Samuel Pierre, Roch Glitho
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2001
ISBN	3-540-44651-6
Edizione	[1st ed. 2001.]
Descrizione fisica	1 online resource (XI, 294 p.)
Collana	Lecture Notes in Computer Science, , 0302-9743 ; ; 2164
Disciplina	621.382/028563
Soggetti	Computer networks Electrical engineering Artificial intelligence Application software Multimedia systems Information technology Business—Data processing Computer Communication Networks Communications Engineering, Networks Artificial Intelligence Information Systems Applications (incl. Internet) Multimedia Information Systems IT in Business
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 at the end of each chapters and index.
Nota di contenuto	Dynamic Congestion Avoidance Using Multi-Agents Systems -- Use of agents for resolving feature interactions -- IMAGO: A Prolog-based System for Intelligent Mobile Agents -- Mobile Agents and Legacy Systems: How to Integrate Alternative Communication Paradigms -- Agent-Based Distance Vector Routing -- High Availability Connection Management via Software Bus and Mobile Agent in Network Management Environment -- Multipoint-to-Point Routing With QoS

Guarantees Using Mobile Agents -- Dynamic Composition of Execution Environment for Adaptive Nomadic Applications -- Network Processing of Mobile Agents, by Mobile Agents, for Mobile Agents -- Design of a Mobile Agent-Based Workflow Management System -- Towards an Agent-based Distributed Hierarchical Network Management System for All-Optical Networks -- A Policy Management System for Mobile Agent-Based Services -- A Multi-agent Architecture for Intelligent Mobile Agents -- A Self-adaptable Agent System for Efficient Information Gathering -- An Agent-based Approach to Full Interoperability and Allocation Transparency in Distributed File Systems -- A Proposal of PVCs Configuration Methodology Employing Mobile Agents -- SITA: Protecting Internet Trade Agents from Malicious Hosts -- Applying Mobile Agents to Enable Dynamic, Context-Aware Interactions for Mobile Phone Users -- Using Mobile Agents for Managing Control and Alarms in Urban Infrastructures -- The Spider Model of Agents -- On the Modeling of Mobile Agent-Based Systems -- Multi-domain Policy Based Management Using Mobile Agents -- A Mobile Agent Prototype for Distributed Search -- Using the Cross-Entropy Method to Guide/Govern Mobile Agent's Path Finding in Networks -- Context Gathering Mobile Agents to Assist in Resource Reservation for Inter-technology Hand-off -- Towards a Secure Agent Platform Based on FIPA.

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**Sommario/riassunto**

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This book constitutes the refereed proceedings of the Third International Workshop on Mobile Agents for Telecommunication Applications, MATA 2001, held in Montreal, Canada in August 2001. The 26 revised full papers presented were carefully reviewed and selected for inclusion in the volume. Among the topics addressed are network management, mobile applications, nomadic computing, feature interaction, Internet applications, QoS management, policy-based management, interactive multimedia, tele-learning, and computer telephony integration.

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