1. Record Nr. UNINA9910484250903321

Titolo	Logical Foundations of Computer Science : International Symposium, LFCS 2013, San Diego, CA, USA, January 6-8, 2013. Proceedings / / edited by Sergei Artemov, Anil Nerode
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2013
ISBN	3-642-35722-9
Edizione	[1st ed. 2013.]
Descrizione fisica	1 online resource (X, 415 p. 49 illus.)
Collana	Theoretical Computer Science and General Issues, , 2512-2029 ; ; 7734
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Disciplina	004
Soggetti	Machine theory Computer arithmetic and logic units Computer science Compilers (Computer programs) Mathematical logic Formal Languages and Automata Theory Arithmetic and Logic Structures Computer Science Logic and Foundations of Programming Theory of Computation Compilers and Interpreters Mathematical Logic and Foundations
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	International conference proceedings.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Constructive mathematics and type theory -- Logic, automata and automatic structures -- Computability and randomness -- Logical foundations of programming -- Logical aspects of computational complexity -- Logic programming and constraints -- Automated deduction and interactive theorem proving -- Logical methods in protocol and program verification -- Logical methods in program specification and extraction -- Domain theory logic -- Logical foundations of database theory -- Equational logic and term rewriting -- Lambda and combinatory calculi -- Categorical logic and topological

semantics -- Linear logic -- Epistemic and temporal logics -- Intelligent and multiple agent system logics -- Logics of proof and justification -- Nonmonotonic reasoning -- Logic in game theory and social software -- Logic of hybrid systems -- Distributed system logics -- Mathematical fuzzy logic -- System design logics.

Sommario/riassunto

This book constitutes the refereed proceedings of the International Symposium on Logical Foundations of Computer Science, LFCS 2013, held in San Diego, CA, USA in January 2013. The volume presents 29 revised refereed papers carefully selected by the program committee. The scope of the Symposium is broad and includes constructive mathematics and type theory; logic, automata and automatic structures; computability and randomness; logical foundations of programming; logical aspects of computational complexity; logic programming and constraints; automated deduction and interactive theorem proving; logical methods in protocol and program verification; logical methods in program specification and extraction; domain theory logic; logical foundations of database theory; equational logic and term rewriting; lambda and combinatory calculi; categorical logic and topological semantics; linear logic; epistemic and temporal logics; intelligent and multiple agent system logics; logics of proof and justification; nonmonotonic reasoning; logic in game theory and social software; logic of hybrid systems; distributed system logics; mathematical fuzzy logic; system design logics; and other logics in computer science.