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Collana	Lecture Notes in Artificial Intelligence ; ; 9706
Disciplina	004.015113
Soggetti	Mathematical logic Computer logic Artificial intelligence Software engineering Computer science—Mathematics Programming languages (Electronic computers) Mathematical Logic and Formal Languages Logics and Meanings of Programs Artificial Intelligence Software Engineering Mathematics of Computing Programming Languages, Compilers, Interpreters
Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
Nota di contenuto	Satisfiabiliy of Boolean Formulas -- Satisfiability Modulo Theory -- Rewriting -- Arithmetic Reasoning and Mechanizing Mathematics -- First-order Logic and Proof Theory -- First-order Theorem Proving -- Higher-order Theorem Proving -- Modal and Temporal Logics -- Non-classical Logics -- Verification.
Sommario/riassunto	This book constitutes the refereed proceedings of the 8th International Joint Conference on Automated Reasoning, IJCAR 2016, held in Coimbra, Portugal, in June/July 2016. IJCAR 2014 was a merger of three leading events in automated reasoning, namely CADE (International

Conference on Automated Deduction), FroCoS (International Symposium on Frontiers of Combining Systems) and TABLEAUX (International Conference on Automated Reasoning with Analytic Tableaux and Related Methods). The 26 revised full research papers and 9 system descriptions presented together with 4 invited talks were carefully reviewed and selected from 79 submissions. The papers have been organized in topical sections on satisfiability of Boolean formulas, satisfiability modulo theory, rewriting, arithmetic reasoning and mechanizing mathematics, first-order logic and proof theory, first-order theorem proving, higher-order theorem proving, modal and temporal logics, non-classical logics, and verification.