

1. Record Nr.	UNINA9910484385903321
Titolo	Logic, Language, Information and Computation : 17th International Workshop, WoLLIC 2010, Brasilia, Brazil, July 6-9, 2010, Proceedings / / edited by Anuj Dawar, Ruy de Queiroz
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2010
ISBN	1-280-38743-2 9786613565358 3-642-13824-1
Edizione	[1st ed. 2010.]
Descrizione fisica	1 online resource (X, 259 p. 28 illus.)
Collana	Lecture Notes in Artificial Intelligence ; ; 6188
Disciplina	005.13
Soggetti	Programming languages (Electronic computers) Computer programming Computers Mathematical logic Computer logic Algorithms Programming Languages, Compilers, Interpreters Programming Techniques Theory of Computation Mathematical Logic and Formal Languages Logics and Meanings of Programs Algorithm Analysis and Problem Complexity
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	Entailment Multipliers: An Algebraic Characterization of Validity for Classical and Modal Logics -- A CTL-Based Logic for Program Abstractions -- Application of Logic to Integer Sequences: A Survey -- The Two-Variable Fragment with Counting Revisited -- Intuitionistic Logic and Computability Theory -- Foundations of Satisfiability Modulo Theories -- Logical Form as a Determinant of Cognitive Processes -- Formal Lifetime Reliability Analysis Using Continuous Random Variables

-- Modal Logics with Counting -- Verification of the Completeness of Unification Algorithms à la Robinson -- Mechanisation of PDA and Grammar Equivalence for Context-Free Languages -- On the Role of the Complementation Rule for Data Dependencies over Incomplete Relations -- Decidability and Undecidability Results on the Modal λ -Calculus with a Natural Number-Valued Semantics -- Solving the Implication Problem for XML Functional Dependencies with Properties -- On Anaphora and the Binding Principles in Categorical Grammar -- Feasible Functions over Co-inductive Data -- Interval Valued Fuzzy Complication -- Reduction of the Intruder Deduction Problem into Equational Elementary Deduction for Electronic Purse Protocols with Blind Signatures -- Intersection Type Systems and Explicit Substitutions Calculi -- Generalising Conservativity.

Sommario/riassunto

This volume contains the papers presented at WoLLIC 2010: 17th Workshop on Logic, Language, Information and Computation held during July 6–9, 2010, on the campus of Universidade de Brasília (UnB), Brazil. The Workshop on Logic, Language, Information and Computation (WoLLIC) is an annual event, meeting every year since 1994, which aims at fostering interdisciplinary research in pure and applied logic. The idea is to have a forum which is large enough in the number of possible interactions between logic and the sciences related to information and computation, and yet is small enough to allow for concrete and useful interaction among participants. The present volume contains 13 contributed papers that were selected from among 32 submissions after a rigorous review by the Program Committee. Each submission was reviewed by at least two, and on average three, Program Committee members. This volume also contains papers or abstracts that relate to the seven invited talks presented at the workshop. Between them, these papers give a snapshot of some fascinating work taking place at the frontiers between computation, logic, and linguistics. We are grateful to all the people who made this meeting possible and are responsible for its success: the members of the Program Committee and the external reviewers, the invited speakers, the contributors, and the people who were involved in organizing the workshop.
