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Nota di contenuto	Invited Papers -- Constructive Decision Theory (Extended Abstract) -- Bisimulation and Coverings for Graphs and Hypergraphs -- Forcing Axioms, Finite Conditions and Some More -- A Note on Axiomatisations of Two-Dimensional Modal Logics -- The Birth of Proof: Modality and Deductive Reasoning -- Indiscrete Models: Model Building and Model Checking over Linear Time -- Probabilistic IF Logic -- Contributed Papers -- Tableaux-Based Decision Method for Single-Agent Linear Time -- Synchronous Temporal Epistemic Logics with Interacting Time and Knowledge -- Agent-Time Epistemics and Coordination -- Dynamic Epistemic Logic for Channel-Based Agent Communication -- On Kripke's Puzzle about Time and Thought -- Yablo Sequences in Truth Theories -- Moving Up and Down in the Generic Multiverse -- Constructing Cut Free Sequent Systems with Context Restrictions Based on Classical or Intuitionistic Logic -- Cut Elimination for Gentzen's Sequent Calculus with Equality and Logic of Partial Terms -- Logic of Non-monotonic Interactive Proofs.- Noninterference for Intuitionist Necessity -- Many-Valued Logics, Fuzzy Logics and Graded Consequence: A Comparative Appraisal -- Fuzzy Preorder, Fuzzy Topology and Fuzzy Transition System -- Public Announcements for Non-omniscient Agents -- Subset Space Logic with

Sommario/riassunto

This book collects the refereed proceedings of the 5th Indian Conference on Logic and Its Applications, ICLA 2013, held in Chennai, India, in January 2013. The 15 revised full papers presented together with 7 invited talks were carefully reviewed and selected from 35 submissions. The papers cover the topics related to pure and applied logic, foundations and philosophy of mathematics and the sciences, set theory, model theory, proof theory, areas of theoretical computer science, artificial intelligence and other disciplines which are of direct interest to mathematical and philosophical logic.