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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	-- Deductive Systems for Logic Programs with Counting: Preliminary Report. -- Compiling Metric Temporal Answer Set Programming. -- A Sequent Calculus for Generalized Inductive Definitions. -- tExplain: Information Extraction with Explanations. -- ASP-based Large Neighborhood Prioritized Search for Course Timetabling. -- Towards Industrial-scale Product Configuration. -- An ILASP-Based Approach to Repair Petri Nets. -- Abstract Dialectical Frameworks are Boolean Networks. -- Using Learning from Answer Sets for robust question answering with LLM. -- Multi-paradigm Logic Programming in the ErgoAI System. -- An ASP-based approach to water distribution system reconstruction. --Consequence Operators of Characterization Logics – The Case of Abstract Argumentation. -- Efficiently grounding FOL using bit vectors. -- Integrating MiniZinc with ASP Chef: Browser-Based Constraint Programming for Education and Prototyping. --

Answer Set Explanations via Preferred Unit-Provable Unsatisfiable Subsets. -- Towards Mass Spectrum Analysis with ASP. -- Monitoring and Scheduling of Semiconductor Failure Analysis Labs. -- Approach to Abstraction in Answer Set Programming and Assumption-based Argumentation. -- On Forgetting in Assumption-Based Argumentation. -- Towards Explainable Weather Forecasting Through FastLAS. -- Semantic-based Arguments using Logic Programming Rewriting Systems. . -Modelling Dialogues in a Concurrent Language for Argumentation. -- A Fixpoint Characterisation of Temporal Equilibrium Logic. -- A Category-Theoretic Perspective on Higher-Order Approximation Fixpoint Theory. -- A Multi-Agent Simulation for Supply Chains Contract Execution. -- Reasoning and Explanation Generation in Ad hoc Collaboration between Humans and Embodied AI. -- Policies, Penalties, and Autonomous Agents. -- LTLf2ASP: LTLf Bounded Satisfiability in ASP. -- Integrating Structured Declarative Language (SDL) into ASP Chef. -- A Generalisation of Epistemic Splitting Property.

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Sommario/riassunto

This book constitutes the refereed proceedings of the 17th International Conference on Logic Programming and Nonmonotonic Reasoning, LPNMR 2024, held in Dallas, TX, USA, during October 11-14, 2024. The 27 full papers and 3 short papers included in this book were carefully reviewed and selected from 48 submissions. They deal with declarative logic programming, non-monotonic reasoning, and knowledge representation, focusing on the design and implementation of logic-based programming languages and database systems. .

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