

1. Record Nr.	UNINA9910783421403321
Titolo	Advances in logic, artificial intelligence, and robotics [[electronic resource]] : LAPTEC 2002 // edited by Jair Minoro Abe and Joao Inacio da Silva Filho
Pubbl/distr/stampa	Amsterdam ; ; Washington, DC, : IOS Press/Ohmsha, 2002
ISBN	1-280-50573-7 9786610505739 1-4175-1140-0 600-00-0334-X 1-60129-402-6
Descrizione fisica	1 online resource (286 p.)
Collana	Frontiers in artificial intelligence and applications ; ; v. 85
Altri autori (Persone)	AbeJair Minoro Silva FilhoJoao Inacio da
Disciplina	006.3
Soggetti	Artificial intelligence Logic, Symbolic and mathematical Robotics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Cover; Title page; Contents; Retriever Prototype of a Case Based Reasoning: A Study Case; Dynamic Compaction Process of Metal Powder Media within Dies; Automated Theorem Proving for Many-sorted Free Description Theory Based on Logic Translation; Annotated Logic and Negation as Failure; Multi-agent System for Distribution System Operation; ArTbitrariness: Putting Computer Creativity to Work in Aesthetic Domains; An Overview of Fuzzy Numbers and Fuzzy Arithmetic; The Brain and Arithmetic Calculation; Evolving Arithmetical Knowledge in a Distributed Intelligent Processing System Meme-Gene Coevolution and Cognitive MathematicsNeuronal Plasticity: How Memes Control Genes; The Influence of Heterogeneity in the Control of Diseases; Paraconsistent Logics viewed as a Foundation of Data Warehouses; Visualization of Class Structures using Piecewise Linear Classifiers; Design of Tree Classifiers using Interactive Data Exploration; Clustering Based on Gap and Structure; Tables in

Relational Databases from a Point of View of Possible-Worlds-
Restriction; On Some Different Interpretations of the Generalized
Modus Ponens using Type-2 Fuzzy Sets
Paraconsistent Knowledge for Misspelling Noise Reduction in
DocumentsAutomata with Concurrency Relations - A Survey; Learning
with Skewed Class Distributions; An Enlargement of Theorems for
Sentential Calculus; A Real-time Specification Language;
Defuzzification in Medical Diagonis; Fuzzy Rules in Asymptomatic HIV
Virus Infected Individuals Model; Categorical Limits and Reuse of
Algebraic Specifications; Constructive Program Synthesis using
Intuitionist Logic and Natural Deduction; An Agent-oriented Inference
Engine Applied for Supervisory Control of Automated Manufacturing
Systems
LTLAS: a Language Based on Temporal Logic for Agents Systems
SpecificationFuzzy Identification of a pH Neutralization Process; A
Fuzzy Reed-Frost Model for Epidemic Spreading; Invited Talks -
Abstracts; Author Index

Sommario/riassunto

Logic (both classical and non-classical) is being increasingly related
with other fields in almost every scientific discipline and human
activity. This work covers its role in artificial intelligence, robotics,
informatics, technology, and correlated themes.
