

1. Record Nr.	UNINA9910208853103321
Titolo	Logics in Artificial Intelligence : European Workshop, JELIA 2000 Malaga, Spain, September 29 - October 2, 2000 Proceedings // edited by Manuel Ojeda-Aciego, Inma P. de Guzman, Gerhard Brewka, Luis M. Pereira
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2000
ISBN	3-540-40006-0
Edizione	[1st ed. 2000.]
Descrizione fisica	1 online resource (XII, 412 p.)
Collana	Lecture Notes in Artificial Intelligence ; ; 1919
Disciplina	006.3
Soggetti	Artificial intelligence Programming languages (Electronic computers) Logic, Symbolic and mathematical Computer programming Artificial Intelligence Programming Languages, Compilers, Interpreters Mathematical Logic and Formal Languages Programming Techniques
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 at the end of each chapters and index.
Nota di contenuto	Invited Talks -- 'On Being Informed': Update Logics for Knowledge States -- Considerations on Updates of Logic Programs -- The Approach: Integrating Object Oriented Design and Formal Verification -- Semi-qualitative Reasoning about Distances: A Preliminary Report -- Regular Contributions -- Hybrid Probabilistic Logic Programs as Residuated Logic Programs -- Topo-distance: Measuring the Difference between Spatial Patterns -- An Abductive Mechanism for Natural Language Processing Based on Lambek Calculus -- Capturing Stationary and Regular Extensions with Reiter's Extensions -- Representing the Process Semantics in the Event Calculus -- Declarative Formalization of Strategies for Action Selection: Applications to Planning -- An Algorithmic Approach to Recover

Inconsistent Knowledge-Bases -- Acceptance Without Minimality -- Reduction Theorems for Boolean Formulas Using ?-Trees -- Simultaneous Rigid Sorted Unification -- Partially Adaptive Code Trees -- On Dialogue Systems with Speech Acts, Arguments, and Counterarguments -- Credulous and Sceptical Argument Games for Preferred Semantics -- A General Approach to Multi-agent Minimal Knowledge -- A Modal Logic for Network Topologies -- Avoiding Logical Omniscience by Using Subjective Situations -- Multi-agent Logic -- New Tractable Cases in Default Reasoning from Conditional Knowledge Bases -- Monodic Epistemic Predicate Logic -- Updates plus Preferences -- A Framework for Belief Update -- A Compilation of Brewka and Eiter's Approach to Prioritization -- A Logic for Modeling Decision Making with Dynamic Preferences.

Sommario/riassunto

Logics have, for many years, laid claim to providing a formal basis for the study of artificial intelligence. With the depth and maturity of methodologies, formalisms, procedures, implementations, and their applications available today, this claim is stronger than ever, as witnessed by increasing amount and range of publications in the area, to which the present proceedings accrue. The European series of Workshops on Logics in Artificial Intelligence (or Journées Européennes sur la Logique en Intelligence Artificielle - JELIA) began in response to the need for a European forum for the discussion of emerging work in this burgeoning field. JELIA 2000 is the seventh such workshop in the series, following the ones held in Rosco?, France (1988); Amsterdam, Netherlands (1990); Berlin, Germany (1992); York, U.K. (1994); Evora, Portugal (1996); and Dagstuhl, Germany (1998). JELIA 2000 will take place in Málaga, Spain, from 29 September to 2 - tober 2000. The workshop is organized and hosted by the Research Group of Mathematics Applied to Computing of the Department of Applied Mathematics of the University of Málaga. As in previous workshops, the aim is to bring together researchers involved in all aspects of logic in artificial intelligence. Additional sponsorship was provided by the ESPRIT NOE Compulog-Net.
