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Soggetti	Artificial intelligence Computer communication systems Mathematical logic Artificial Intelligence Computer Communication Networks Mathematical Logic and Formal Languages
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Foundations -- A Logic for Knowledge, Correctness, and Real Time -- Dynamic Logic for Plan Revision in Intelligent Agents -- Contextual Taxonomies -- From Logic Programs Updates to Action Description Updates -- Dynamic Logic Programming: Various Semantics Are Equal on Acyclic Programs -- Architectures -- Declarative Agent Control -- Metareasoning for Multi-agent Epistemic Logics -- Graded BDI Models for Agent Architectures -- Interaction -- Inferring Trust -- Coordination Between Logical Agents -- A Computational Model for Conversation Policies for Agent Communication -- Verifying Protocol Conformance for Logic-Based Communicating Agents -- Planning and Applications -- An Application of Global Abduction to an Information Agent Which Modifies a Plan Upon Failure -- Preliminary Report -- Planning Partially for Situated Agents -- Desire-Space Analysis and Action Selection for Multiple Dynamic Goals -- Organising Software in Active Environments.

The notion of agency has recently increased its influence in the research and development of computational logic based systems, while at the same time significantly gaining from decades of research in computational logic. Computational logic provides a well-defined, general, and rigorous framework for studying syntax, semantics and procedures, for implementations, environments, tools, and standards, facilitating the ever important link between specification and verification of computational systems. The purpose of the Computational Logic in Multi-agent Systems (CLIMA) international workshop series is to discuss techniques, based on computational logic, for representing, programming, and reasoning about multi-agent systems in a formal way. Former CLIMA editions were conducted in conjunction with other major computational logic and AI events such as CL in July 2000, ICLP in December 2001, FLoC in August 2002, and LPNMR and AI-Math in January 2004. The 7th edition of CLIMA was held in Lisbon, Portugal, in September 29–30, 2004. We, as organizers, and in agreement with the CLIMA Steering Committee, opted for co-location with the 9th European Conference on Logics in Artificial Intelligence (JELIA 2004), wishing to promote the CLIMA research topics in the broader community of logics in AI, a community whose growing interest in multi-agent issues has been demonstrated by the large number of agent-related papers submitted to recent editions of JELIA. The workshop received 35 submissions – a sensible increase from the previous edition. The submitted papers showed that the logical foundations of multi-agent systems are felt by a large community to be a very important research topic, upon which classical AI and agent-related issues are to be addressed.
