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Collana	Lecture Notes in Artificial Intelligence ; ; 5384
Disciplina	006.3
Soggetti	Artificial intelligence Computer communication systems Computer programming Computer simulation User interfaces (Computer systems) Artificial Intelligence Computer Communication Networks Programming Techniques Simulation and Modeling User Interfaces and Human Computer Interaction
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Argument-Based Reasoning -- Personality-Based Practical Reasoning -- Argumentation Based Resolution of Conflicts between Desires and Normative Goals -- A Constrained Argumentation System for Practical Reasoning -- An Argumentation Framework Based on Strength for Ontology Mapping -- Contextual Extension with Concept Maps in the Argument Interchange Format -- Argumentation and Dialogue -- Command Dialogues -- Argumentation and Artifact for Dialogue Support -- Co-ordination and Co-operation in Agent Systems: Social Laws and Argumentation -- Annotation and Matching of First-Class Agent Interaction Protocols -- Strategic and Pragmatic Issues -- Argumentation- vs. Proposal-Based Negotiation: An Empirical Case

Study on the Basis of Game-Theoretic Solution Concepts --  
Argumentation-Based Information Exchange in Prediction Markets --  
An Argumentative Approach for Modelling Coalitions Using ATL -- A  
Dialogue Mechanism for Public Argumentation Using Conversation  
Policies.

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Sommario/riassunto

During the last decade Argumentation has been gaining importance within Artificial Intelligence especially in multi agent systems. Argumentation is a powerful mechanism for modelling the internal reasoning of an agent. It also provides tools for analysing, designing and implementing sophisticated forms of interaction among rational agents, thus making important contributions to the theory and practice of multiagent dialogues. Application domains include: nonmonotonic reasoning, legal disputes, business negotiation, labor disputes, team formation, scientific inquiry, deliberative democracy, ontology reconciliation, risk analysis, scheduling, and logistics. This volume presents the latest developments in this area at the interface of argumentation theory and multi agent systems. The 10 revised full papers presented together with 3 invited papers from the AAMAS 2008 conference were carefully reviewed and selected from numerous submissions. The papers are organized in topical sections on argument-based reasoning, argumentation and dialogue, as well as strategic and pragmatic issues.

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