

1. Record Nr.	UNISA996465618003316
Titolo	Languages, Methodologies, and Development Tools for Multi-Agent Systems [[electronic resource]] : Second International Workshop, LADS 2009, Torino, Italy, September 7-9, 2009, Revised Selected Papers // edited by Mehdi Dastani, Amal El Fallah Seghrouchni, Joao Leite, Paolo Torroni
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2010
ISBN	1-280-38682-7 9786613564740 3-642-13338-X
Edizione	[1st ed. 2010.]
Descrizione fisica	1 online resource (X, 183 p. 40 illus.)
Collana	Lecture Notes in Artificial Intelligence ; ; 6039
Disciplina	006.3
Soggetti	Immunology Artificial intelligence Computer programming Computer simulation Computers Application software Artificial Intelligence Programming Techniques Simulation and Modeling Models and Principles Information Systems Applications (incl. Internet) Turin <2009>
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 and index.
Nota di contenuto	Agent Architectures -- The ARTS Real-Time Agent Architecture -- Reducing Agent Plans to Workflows -- Agent Programming Languages and Methodologies -- Externalisation and Internalization: A New Perspective on Agent Modularisation in Multi-Agent System Programming -- Temporal Planning in Dynamic Environments for P-

CLAIM Agents -- Data Driven Language for Agents Secure Interaction -- Programming Social Middleware through Social Interaction Types -- Social Interaction Models -- Detecting Exceptions in Commitment Protocols: Discovering Hidden States -- Verifiable Semantic Model for Agent Interactions Using Social Commitments -- Development Tools for Multi-agent Systems -- Call Graph Profiling for Multi Agent Systems -- Applications -- A Methodology for Developing Self-explaining Agents for Virtual Training.

Sommario/riassunto

This book contains the proceedings of the Second International Workshop on Languages, Methodologies and Development Tools for Multi-agent Systems (LADS 2009), which took place during September 7–9, 2009 in Turin, Italy. As in its 2007 edition, this workshop was a part of MALLOW, a federation of workshops on Multi-Agent Logics, Languages, and Organizations. The LADS 2009 workshop addressed both theoretical and practical issues related to developing and deploying multi-agent systems. It constituted a rich forum where leading researchers from both academia and industry could share their experiences on formal approaches, programming languages, methodologies, tools and techniques supporting the development and deployment of multi-agent systems. From a theoretical point of view, LADS 2009 aimed at addressing issues related to theories, methodologies, models and approaches that are needed to facilitate the development of multi-agent systems ensuring their predictability and verification. Formal declarative models and approaches have the potential of offering solutions for the specification and design of multi-agent systems. From a practical point of view, LADS 2009 aimed at stimulating research and discussion on how multi-agent system specifications and designs can be effectively implemented and tested. This book is the result of a strict selection and review process. From 14 papers originally submitted to LADS 2009, and after 2 rounds of reviews, we selected 10 high-quality papers covering important topics related to multi-agent programming technology, such as: agent architectures, programming languages and methodologies, social interaction models, development tools and applications of multi-agent systems.
