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Titolo	Coordination, Organizations, Institutions, and Norms in Agent Systems II [[electronic resource]] : AAMAS 2006 and ECAI 2006 International Workshops, COIN 2006 Hakodate, Japan, May 9, 2006 Riva del Garda, Italy, August 28, 2006, Revised Selected Papers / / edited by Pablo Noriega, Javier Vázquez-Salceda, Guido Boella, Olivier Boissier, Virginia Dignum, Nicoletta Fornara, Eric T Matson
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Collana	Lecture Notes in Artificial Intelligence ; ; 4386
Disciplina	006.3
Soggetti	Artificial intelligence Software engineering Computer logic Computer programming Computer communication systems Artificial Intelligence Software Engineering/Programming and Operating Systems Software Engineering Logics and Meanings of Programs Programming Techniques Computer Communication Networks
Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
Note generali	"[Hosted by] the 5th International Joint Conference on Autonomous Agents and Multiagent Systems in Hakodate and ... the 17th European Conference in Artificial Intelligence in Riva del Garda"--Pref.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	MODELLING AND ANALYZING ORGANIZATIONS -- Structural Aspects of the Evaluation of Agent Organizations -- Integrating Trust in Virtual Organisations -- Coordinating Tasks in Agent Organizations -- Redesign of Organizations as a Basis for Organizational Change -- MODELLING AND ANALYZING INSTITUTIONS -- Specifying and Reasoning About Multiple Institutions -- Controlling an Interactive

Game with a Multi-agent Based Normative Organisational Model -- Ubi
Lex, Ibi Poena: Designing Norm Enforcement in E-Institutions --
Specification and Verification of Institutions Through Status Functions
-- NORMATIVE MODELS AND ISSUES -- Spatially Distributed Normative
Objects -- Informing Regulatory Dynamics in Open MASs --
Operationalisation of Norms for Electronic Institutions -- Norm-
Oriented Programming of Electronic Institutions: A Rule-Based
Approach -- An Agent-Based Model for Hierarchical Organizations --
Ballroom etiquette: A Case Study for Norm-Governed Multi-Agent
Systems -- NORM EVOLUTION AND DYNAMICS -- Towards Self-
configuration in Autonomic Electronic Institutions -- Norm Conflicts
and Inconsistencies in Virtual Organisations -- Using Dynamic
Electronic Institutions to Enable Digital Business Ecosystems -- A Peer-
to-Peer Normative System to Achieve Social Order -- AUTONOMY,
COORDINATION AND SOCIAL ORDER -- What Is Commitment? Physical,
Organizational, and Social (Revised) -- Modelling and Monitoring Social
Expectations in Multi-agent Systems -- Influence-Based Autonomy
Levels in Agent Decision-Making -- Centralized Regulation of Social
Exchanges Between Personality-Based Agents -- Cooperative
Interactions: An Exchange Values Model.

Sommario/riassunto

In recent years, social and organizational aspects of agency have become major research topics in MAS. Recent applications of MAS on Web services, grid computing and ubiquitous computing highlight the need for using these aspects in order to ensure social order within such environments. Openness, heterogeneity, and scalability of MAS, in turn, pose new demands on traditional MAS interaction models and bring forward the need to look into the environment where agents interact and at different ways of constraining or regulating interactions. Consequently, the view of coordination and governance has been expanding to entertain not only an agent-centric perspective but societal and organizational views as well. The overall problem of analyzing the social, legal, economic, and technological dimensions of agent organizations, and the co-evolution of agent interactions, provide theoretically demanding and interdisciplinary research questions at different levels of abstraction. The MAS research community has addressed these issues from different perspectives that have gradually become more cohesive around the four notions in the title to the workshop: coordination, organization, institutions, and norms. The COIN workshops are thus designed to consolidate the subject by providing focus events that reach researchers from diverse communities working in related topics and facilitate more systematic discussion of themes that have been treated from various perspectives. This year, the COIN workshops were hosted during AAMAS 2006, (on June 9, in Hakodate, Japan) and ECAI 2006 (on August 28, in Rivadella, Italy). The papers contained in this volume are the revised versions of a selection of those that were presented in these workshops.
