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   Nota di contenuto Invited Talks -- Logic for Automated Mechanism Design and Analysis -- Coordination in Multi-Agent Systems: Towards a Technology of Agreement -- Research Papers -- Optimistic-Pessimistic Q-Learning Algorithm for Multi-Agent Systems -- How to Program Organizations and Roles in the JADE Framework -- Agent Models for Concurrent Software Systems -- Filtering Algorithm for Agent-Based Incident Communication Support in Mobile Human Surveillance -- Joint Equilibrium Policy Search for Multi-Agent Scheduling Problems -- Making Allocations Collectively: Iterative Group Decision Making under Uncertainty -- Compiling GOAL Agent Programs into Jazzyk Behavioural State Machines -- Knowledge and Strategic Ability for Model Checking: A Refined Approach -- Agent Learning Instead of Behavior Implementation for Simulations – A Case Study Using Classifier Systems -- Providing Integrated Development Environments for Multi-Agent Systems -- Implementing Organisations in JADE -- A Fair Mechanism for Recurrent Multi-unit Auctions -- Multi-Agent Reinforcement Learning for Intrusion Detection: A Case Study and Evaluation -- Teaching Distributed Artificial Intelligence with RoboRally -- Refactoring in Multi Agent System Development -- Autonomous Scheduling with Unbounded and Bounded Agents.

Sommario/riassunto   This book constitutes the refereed proceedings of the 6th German Conference on Multiagent Systems Technologies, MATES 2008, held in Kaiserslautern, Germany, in September 2008 - co-located with the 31st German Conference on Artificial Intelligence, KI 2008. The 16 revised full papers presented together with 2 invited talks were carefully reviewed and selected from 35 submissions. The papers present and discuss the latest advances of research and development in the area of autonomous agents and multiagent systems ranging from theoretical and methodological issues to applications in various fields.