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| 1. Record Nr.           | UNISA996465858803316   |
| Titolo                  | Agents and Data Mining Interaction [[electronic resource]] : 4th International Workshop on Agents and Data Mining Interaction, ADMI 2009, Budapest, Hungary, May 10-15, 2009, Revised Selected Papers // edited by Longbing Cao, A.E. Gorodetsky, Jiming Liu, Gerhard Weiß, Philip S. Yu                           |
| Pubbl/distr/stampa      | Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2009   |
| ISBN                    | 3-642-03603-1  |
| Edizione                | [1st ed. 2009.]  |
| Descrizione fisica      | 1 online resource (203 p.)   |
| Collana                 | Lecture Notes in Artificial Intelligence ; ; 5680  |
| Classificazione         | DAT 703f<br>DAT 709f<br>SS 4800<br>ST 530  |
| Disciplina              | 006.3  |
| Soggetti                | Data mining<br>Artificial intelligence<br>Computer communication systems<br>Software engineering<br>Computer logic<br>Data Mining and Knowledge Discovery<br>Artificial Intelligence<br>Computer Communication Networks<br>Software Engineering<br>Logics and Meanings of Programs<br>Budapest (2009)<br>Kongress. |
| Lingua di pubblicazione | Inglese  |
| Formato                 | Materiale a stampa   |
| Livello bibliografico   | Monografia   |
| Note generali           | Description based upon print version of record.  |
| Nota di bibliografia    | Includes bibliographical references and index.   |
| Nota di contenuto       | Invited Talks and Papers -- Agents and Data Mining in Bioinformatics: Joining Data Gathering and Automatic Annotation with Classification and Distributed Clustering -- Knowledge-Based Reinforcement Learning for Data Mining -- Ubiquitous Intelligence in Agent Mining --                                       |

Agents Based Data Mining and Decision Support System -- Agent-Driven Data Mining -- Agent-Enriched Data Mining Using an Extendable Framework -- Auto-Clustering Using Particle Swarm Optimization and Bacterial Foraging -- A Self-Organized Multiagent System for Intrusion Detection -- Towards Cooperative Predictive Data Mining in Competitive Environments -- Data Mining Driven Agents -- Improving Agent Bidding in Power Stock Markets through a Data Mining Enhanced Agent Platform -- Enhancing Agent Intelligence through Data Mining: A Power Plant Case Study -- A Sequence Mining Method to Predict the Bidding Strategy of Trading Agents -- Agent Mining Applications -- Agent Assignment for Process Management: Pattern Based Agent Performance Evaluation -- Concept Learning for Achieving Personalized Ontologies: An Active Learning Approach -- The Complex Dynamics of Sponsored Search Markets.

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#### Sommario/riassunto

This book constitutes the thoroughly refereed post-conference proceedings of the 4th International Workshop on Agents and Data Mining Interaction, ADMI 2009, held in Budapest, Hungary in May 10-15, 2009 as an associated event of AAMAS 2009, the 8th International Joint Conference on Autonomous Agents and Multiagent Systems. The 12 revised papers and 2 invited talks presented were carefully reviewed and selected from numerous submissions. Organized in topical sections on agent-driven data mining, data mining driven agents, and agent mining applications, the papers show the exploiting of agent-driven data mining and the resolving of critical data mining problems in theory and practice; how to improve data mining-driven agents, and how data mining can strengthen agent intelligence in research and practical applications. Subjects that are also addressed are exploring the integration of agents and data mining towards a super-intelligent information processing and systems, and identifying challenges and directions for future research on the synergy between agents and data mining.

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