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Titolo	Agents and Data Mining Interaction : 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
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Collana	Lecture Notes in Artificial Intelligence, , 2945-9141 ; ; 5680
Classificazione	DAT 703f DAT 709f SS 4800 ST 530
Disciplina	006.3
Soggetti	Data mining Artificial intelligence Computer networks Software engineering Computer science Data Mining and Knowledge Discovery Artificial Intelligence Computer Communication Networks Software Engineering Computer Science Logic and Foundations of Programming
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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