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   Soggetti            Artificial intelligence
                       Data mining
                       Application software
                       Database management
                       User interfaces (Computer systems)
                       Algorithms
                       Artificial Intelligence
                       Data Mining and Knowledge Discovery
                       Information Systems Applications (incl. Internet)
                       Database Management
                       User Interfaces and Human Computer Interaction
                       Algorithm Analysis and Problem Complexity

   Lingua di pubblicazione   Inglese

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   Nota di bibliografia   Includes bibliographical references and index.

   Nota di contenuto   Keynote Speeches -- Selected Problems of the Static Complex Systems
                       Identification -- Combining and Integrating Advanced IT-Concepts with
                       Semantic Web Technology Mashups Architecture Case Study --
                       Intelligent Database Systems -- Web Page Augmentation with Client-
                       Side Mashups as Meta-Querying -- Soft Computing Techniques for
                       Intrusion Detection of SQL-Based Attacks -- Efficiently Querying XML
                       Documents Stored in RDBMS in the Presence of Dewey-Based Labeling
                       Scheme -- From Data Mining to User Models in Evolutionary Databases

-- How to Construct State Registries–Matching Undeniability with Public Security -- Data Warehouses and Data Mining -- Regions of Interest in Trajectory Data Warehouse -- AFOPT-Tax: An Efficient Method for Mining Generalized Frequent Itemsets -- A Novel Method to Find Appropriate ? for DBSCAN -- Towards Semantic Preprocessing for Mining Sensor Streams from Heterogeneous Environments -- HOT aSAX: A Novel Adaptive Symbolic Representation for Time Series Discords Discovery -- The Vector Space Models for Finding Co-occurrence Names as Aliases in Thai Sports News -- Efficiently Mining High Average Utility Itemsets with a Tree Structure -- Intelligent Information Retrieval -- Human Activity Mining Using Conditional Radom Fields and Self-Supervised Learning -- Visualization of Influenza Protein Segment HA in Manifold Space -- Multimodal s n,k -Grams: A Skipping-Based Similarity Model in Information Retrieval -- Going Beyond the Surrounding Text to Semantically Annotate and Search Digital Images -- Context Oriented Analysis of Web 2.0 Social Network Contents - MindMeister Use-Case -- Technologies for Intelligent Information Systems -- Generation of a FIR Filter by Means of a Neural Network for Improvement of the Digital Images Obtained Using the Acquisition Equipment Based on the Low Quality CCD Structurecture -- Robust Fuzzy Clustering Using Adaptive Fuzzy Meridians -- An Ambient Agent Model Incorporating an Adaptive Model for Environmental Dynamics -- A New Algorithm for Divisible Load Scheduling with Different Processor Available Times -- Evolutionary Computational Intelligence in Solving the Fractional Differential Equations -- A Neural Network Optimization-Based Method of Image Reconstruction from Projections -- Entrance Detection of Buildings Using Multiple Cues -- Spectrum Sharing with Buffering in Cognitive Radio Networks -- Extracting Chemical Reactions from Thai Text for Semantics-Based Information Retrieval -- Coalition Formation Using Combined Deterministic and Evolutionary Approach -- Applications of Intelligent Systems -- A New CBIR System Using SIFT Combined with Neural Network and Graph-Based Segmentation -- Computer-Aided Car Over-Taking System -- Learning Model for Reducing the Delay in Traffic Grooming Optimization -- Power Load Forecasting Using Data Mining and Knowledge Discovery Technology -- A Collaborative Framework for Multiagent Systems -- Solving Unbounded Knapsack Problem Based on Quantum Genetic Algorithms -- Detecting Design Pattern Using Subgraph Discovery -- A Fuzzy Time Series-Based Neural Network Approach to Option Price Forecasting -- Integrated Use of Artificial Neural Networks and Genetic Algorithms for Problems of Alarm Processing and Fault Diagnosis in Power Systems -- Using Data from an AMI-Associated Sensor Network for Mudslide Areas Identification -- Semantic Web Service Composition System Supporting Multiple Service Description Languages -- Forecasting Tourism Demand Based on Improved Fuzzy Time Series Model -- Weighted Fuzzy Time Series Forecasting Model -- A System for Assisting English Oral Proficiency – A Case Study of the Elementary Level of General English Proficiency Test (GEPT) in Taiwan -- Verification of Stored Security Data in Computer System -- Ant Colony Clustering Using Mobile Agents as Ants and Pheromone -- Mining Source Codes to Guide Software Development -- Forecasting Stock Market Based on Price Trend and Variation Pattern -- Intelligent Prebuffering Using Position Oriented Database for Mobile Devices.

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| Sommario/riassunto | The 2010 Asian Conference on Intelligent Information and Database Systems (ACIIDS) was the second event of the series of international scientific conferences for research and applications in the field of intelligent information and database systems. The aim of ACIIDS 2010 |

was to provide an international forum for scientific research in the technologies and applications of intelligent information, database systems and their applications. ACIIDS 2010 was co-organized by Hue University (Vietnam) and Wroclaw University of Technology (Poland) and took place in Hue city (Vietnam) during March 24–26, 2010. We received almost 330 papers from 35 countries. Each paper was peer reviewed by at least two members of the International Program Committee and International Reviewer Board. Only 96 best papers were selected for oral presentation and publi- tion in the two volumes of the ACIIDS 2010 proceedings. The papers included in the proceedings cover the following topics: artificial social systems, case studies and reports on deployments, collaborative learning, collaborative systems and applications, data warehousing and data mining, database management technologies, database models and query languages, database security and integrity,- business, e-commerce, e-finance, e-learning systems, information modeling and - quirements engineering, information retrieval systems, intelligent agents and mul- agent systems, intelligent information systems, intelligent internet systems, intelligent optimization techniques, object-relational DBMS, ontologies and information sharing, semi-structured and XML database systems, unified modeling language and unified processes, Web services and Semantic Web, computer networks and communication systems.