

1. Record Nr.	UNINA9910483045503321
Titolo	Advances in data mining : applications in image mining, medicine and biotechnology, management and environmental control, and telecommunications : 4th Industrial Conference on Data Mining, ICDM 2004, Leipzig, Germany, July 4-7, 2004 : revised selected papers // Petra Perner (ed.)
Pubbl/distr/stampa	Berlin ; ; New York, : Springer, c2004
ISBN	3-540-30185-2
Edizione	[1st ed. 2005.]
Descrizione fisica	1 online resource (VIII, 176 p.)
Collana	Lecture notes in computer science, , 0302-9743 ; ; 3275. Lecture notes in artificial intelligence
Altri autori (Persone)	PernerPetra
Disciplina	006.3
Soggetti	Data mining
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Conference organized by the Institute of Computer Vision and Applied Computer Science (IBal).
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Case-Based Reasoning -- Neuro-symbolic System for Business Internal Control -- Applying Case Based Reasoning Approach in Analyzing Organizational Change Management Data -- Improving the K-NN Classification with the Euclidean Distance Through Linear Data Transformations -- An IBR System to Quantify the Ocean's Carbon Dioxide Budget -- A Beta-Cooperative CBR System for Constructing a Business Management Model -- Image Mining -- Braving the Semantic Gap: Mapping Visual Concepts from Images and Videos -- Mining Images to Find General Forms of Biological Objects -- Applications in Process Control and Insurance -- The Main Steps to Data Quality -- Cost-Sensitive Design of Claim Fraud Screens -- An Early Warning System for Vehicle Related Quality Data -- Clustering and Association Rules -- Shape-Invariant Cluster Validity Indices -- Mining Indirect Association Rules -- An Association Mining Method for Time Series and Its Application in the Stock Prices of TFT-LCD Industry -- Clustering of Web Sessions Using Levenshtein Metric -- Telecommunication -- A Data Mining Approach for Call Admission Control and Resource Reservation in Wireless Mobile Networks -- Mining of an Alarm Log to Improve the Discovery of Frequent Patterns -- Medicine and Biotechnology -- Feature Selection and Classification Model

The Industrial Conference on Data Mining ICDM-Leipzig was the fourth meeting in a series of annual events which started in 2000, organized by the Institute of Computer Vision and Applied Computer Sciences (IBaI) in Leipzig. The mission of the conference is to bring together researchers and people from industry in order to discuss together new trends and applications in data mining. This year a broad spectrum of work of different applications was presented ranging from image mining, medicine and biotechnology, management and environmental control, to telecommunications. Besides that an industrial exhibition showed the successful application of data mining methods by industries in different areas such as medical devices, mass data management systems, data mining tools, etc. During the discussion many projects were inspired leading to new and joint work. The fruitful discussions, the exchange of ideas and the spirit of the conference made it a remarkable event for both sides, industry and research. We would like to express our appreciation to the reviewers for their precise and highly professional work. We appreciate the help and understanding of the editorial staff at Springer and in particular Alfred Hofmann, who supported the publication of these proceedings in the LNAI series. Last, but not least, we wish to thank all speakers, participants and industrial exhibitors who contributed to the success of the conference. We are looking forward to welcoming you to ICDM 2005 ([www.data-mini-forum.de](http://www.data-mini-forum.de)) and to the new work you will present there.

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