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Preface

In recent years the Internet has become a source of data and information of indisputable importance and has immensely gained in acceptance and popularity. The World Wide Web (WWW or Web, for short), frequently named “the nervous system of the information society,” offers numerous valuable services leaving no doubt about the significance of the Web in our daily activities at work and at home. Consequently, we have a clear aspiration to meet the obvious need for effective use of its potential by making improvements in both the methods and the technology applied. Among the new research directions observable in Web-related applications, intelligent methods from within the broadly perceived topic of soft computing occupy an important place.

AWIC, the “Atlantic Web Intelligence Conferences” are intended to be a forum for exchange of new ideas and novel practical solutions in this new and exciting field. The conference was born as an initiative of the WIC-Poland and the WIC-Spain Research Centres, both belonging to the Web Intelligence Consortium – WIC (<http://wi-consortium.org/>). So far, three AWIC conferences have been held: in Madrid, Spain (2003), in Cancun, Mexico (2004), and in Łódź, Poland (2005).

The book covers current noteworthy developments in the field of intelligent methods applied to various aspects and ways of Web exploration. However, a few contributions go beyond this frame, providing a wider and more comprehensive view on the subject matter. Originally, about 140 interesting papers were submitted, out of which only 74 contributions, selected in a peer-review process, are presented in this volume. Unfortunately, not all high-quality papers could be included in this volume due to space constraints. The material published in the book is divided into three main parts: papers presented by keynote speakers, contributions of conference participants, and workshop materials. Case studies and workshop materials are arranged in alphabetical order according to the name of the first author.

We deeply appreciate the efforts of the plenary speakers and thank them for their presentations. They are Profs. Witold Abramowicz (Poznań University of Economics, Poland), Jiming Liu (Hong Kong Baptist University, China), Roman Słowiński (Poznań University of Technology, Poland), and Ning Zhong (Maebashi Institute of Technology, Japan; President of the WIC). We are indebted to the reviewers for their reliability and hard work done in a short time. High appreciation is due to the Organizing Committee of the conference, with particular recognition of Mr. Wiktor Wandachowicz’s (Technical University of Łódź, Poland) contribution to its accomplishments. Profs. Pilar Herrero, María S. Pérez-Hernández and Victor Robles from the Technical University of Madrid, Spain deserve special thanks for their excellent organization of the workshop that enriched the program of the conference. True thanks are also given to the series editor and to the Springer team for their friendly help. The invaluable patronage of Prof. Jan Krysiński, President of the Technical University of Łódź is gratefully

acknowledged. The technical cooperation of the IEEE Computational Intelligence Society and the Berkeley Initiative in Soft Computing (BISC), USA is highly appreciated.

Our hope is that each reader may find many motivating ideas in this volume.

April 2005

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Table of Contents

I Keynote Lectures

How Much Intelligence in the Semantic Web? <i>Witold Abramowicz, Tomasz Kaczmarek, Krzysztof Węcel</i>	1
The <i>Wisdom Web</i> – A Grand Intellectual Undertaking (An Extended Abstract) <i>Jiming Liu</i>	7
Measuring Attractiveness of Rules from the Viewpoint of Knowledge Representation, Prediction and Efficiency of Intervention <i>Roman Słowiński, Salvatore Greco</i>	11
Web Intelligence Meets Brain Informatics: An Impending Revolution in WI and Brain Sciences <i>Ning Zhong</i>	23

II Case Studies

Hybrid Computational Intelligence for Ambient Intelligent Environments <i>Giovanni Acampora, Vincenzo Loia, Michele Nappi, Stefano Ricciardi</i>	26
Towards a Multilingual QA System Based on the Web Data Redundancy <i>Rita Aceves-Pérez, Luis Villaseñor-Pineda, Manuel Montes-y-Gomez</i>	32
An Intelligent Information System for Detecting Web Commerce Transactions <i>Ioannis Anagnostopoulos, George Kouzas, Christos Anagnostopoulos</i>	38
Tuples Extraction from HTML Using Logic Wrappers and Inductive Logic Programming <i>Costin Bădică, Amelia Bădică, Elvira Popescu</i>	44
Immune Systems in Multi-criterion Evolutionary Algorithm for Task Assignments in Distributed Computer System <i>Jerzy Balicki</i>	51
Ants in Web Searching Process <i>Urszula Boryczka</i>	57
Using Adaptive Fuzzy-Neural Control to Minimize Response Time in Cluster-Based Web Systems <i>Leszek Borzemski, Krzysztof Zatwarnicki</i>	63

Task Realization's Optimization with Earliness and Tardiness Penalties in Distributed Computation Systems <i>Wojciech Bożejko, Mieczysław Wodecki</i>	69
Robust Fuzzy Clustering with Fuzzy Data <i>Bohdan S. Butkiewicz</i>	76
Distributed Service Management Based on Genetic Programming <i>Jing Chen, Zeng-zhi Li, Yun-lan Wang</i>	83
Research on Path Clustering Based on the Access Interest of Users <i>Junjie Chen, Junjie Wu</i>	89
A Request-Based Approach to Maintain Object Consistency in Content Distribution Network <i>Yan Chen, Zeng-zhi Li, Zhi-gang Liao, Yun-lan Wang</i>	95
Testing the Effectiveness of Retrieval to Queries Using Polish Words with Diacritics <i>Kazimierz Choroś</i>	101
Using a Neuro-fuzzy Network for Impulsive Noise Suppression from Highly Distorted Images of WEB-TVs <i>Pınar Çivicioğlu</i>	107
Vector Retrieval Model for XML Document Based on Dynamic Partition of Information Units <i>Li-zhen Cui, Hai-yang Wang</i>	114
Flexible Querying with Fuzzy Projection <i>Krzysztof Dembczyński, Maciej Hapke, Dominik Przybył</i>	120
Ontology Aided Query Expansion for Retrieving Relevant Texts <i>Lipika Dey, Shailendra Singh, Romi Rai, Saurabh Gupta</i>	126
WCVF: The Struggling Web Contents Visualization <i>Santiago Eibe, Oscar Marbán</i>	133
Ontology Based Web Crawling — A Novel Approach <i>S. Ganesh</i>	140
Rough Set Based Data Mining Tasks Scheduling on Knowledge Grid <i>Kun Gao, Kexiong Chen, Meiqun Liu, Jiaxun Chen</i>	150

Global Stability Affected by Migration Behavior of Web Entities in the Bio-network Architecture <i>Lei Gao, Yongsheng Ding</i>	156
The Cartographer Algorithm for Processing and Querying Description Logics Ontologies <i>Krzysztof Goczyla, Teresa Grabowska, Wojciech Waloszek, Michal Zawadzki</i>	163
On Association Rules Mining Algorithms with Data Privacy Preserving <i>Marcin Gorawski, Karol Stachurski</i>	170
Using Artificial Neural Networks for Processing Data Gained via OpenDAP and Consolidated from Different Databases on Distributed Servers <i>Aleksander Górny, Magdalena Tkacz</i>	176
A Technique for Learning Similarities on Complex Structures with Applications to Extracting Ontologies <i>Michał Grabowski, Andrzej Szataś</i>	183
Conceptual Query Expansion <i>Orland Hoeber, Xue-Dong Yang, Yiyu Yao</i>	190
A General Framework of Targeted Marketing <i>Jiajin Huang, Ning Zhong, Yiyu Y. Yao, Chunnian Liu</i>	197
Rough Sets Approach to Medical Diagnosis System <i>Grzegorz Ilczuk, Alicja Wakulicz-Deja</i>	204
Towards a Synergistic Combination of Web-Based and Data-Driven Decision Support Systems via Linguistic Data Summaries <i>Janusz Kacprzyk, Sławomir Zadrozny</i>	211
WindOwls — Adaptive System for the Integration of Recommendation Methods in E-Commerce <i>Przemysław Kazienko, Paweł Kołodziejski</i>	218
Automated Keyphrase Extraction: Assisting Students in the Search for Online Materials <i>John Kilbride, Eleni Mangina</i>	225
Adaptive Tuning of PID Controller for Multivariable System Using Bacterial Foraging Based Optimization <i>Dong Hwa Kim, Jae Hoon Cho</i>	231

Context-Aware Access Control Mechanism for Ubiquitous Applications <i>Young-Gab Kim, Chang-Joo Mon, Dongwon Jeong, Jeong-Oog Lee, Chee-Yang Song, Doo-Kwon Baik,</i>	236
On Application of Neural Networks for S-Boxes Design. <i>Piotr Kotlarz, Zbigniew Kotulski</i>	243
Migration Integrity Rules in Open Systems <i>Dariusz Król, Bogusław Szlachetko</i>	249
Fulltext-Image Watermarking Using Improved DWT and HVS Based on JPEG Compression <i>Wongoo Lee, Byungsun Choi, Seounghyeon Lee, Jaekwang Lee</i>	254
Active Network Approach for Web Caching <i>Zhigang Liao, Zeng-zhi Li, Tao Zhan, Yan Chen</i>	260
Document Retrieval Using Semantic Relation in Domain Ontology <i>Soo-Yeon Lim, Seong-Bae Park, Sang-Jo Lee</i>	266
An Anti-Noise Text Categorization Method Based on Support Vector Machines <i>Lin Chen, Jie Huang, Zheng-Hu Gong</i>	272
Increasing Profitability: Voice-Based Browsing to Recommendation System Web Services <i>Hendrik T. Macedo, Jacques Robin</i>	279
Effectiveness and Relevancy Measures Under Modal Cardinality for Intuitionistic Fuzzy Sets <i>Jacek Manko</i>	286
A Simple, Structure-Sensitive Approach for Web Document Classification <i>Alex Markov, Mark Last</i>	293
A Reinforcement Learning Approach for QoS Based Routing Packets in Integrated Service Web Based Systems <i>Abdelhamid Mellouk, Saïd Hoceini</i>	299
Goal Directed Web Services <i>Alfredo Milani, Marco Baiocchi, Valentina Poggioni</i>	306
Optimizing Collaborative Filtering Recommender Systems <i>Sung-Hwan Min, Ingoo Han</i>	313

Intelligent Reputation Assessment for Participants of Web-Based Customer-to-Customer Auctions <i>Mikołaj Morzy, Marek Wojciechowski, Maciej Zakrzewicz</i>	320
Awareness and Coordination for Web Cooperative Authoring <i>Aslam Muhammad, Ana María Martínez Enríquez, Dominique Decouchant</i>	327
Security Systems Design and Analysis Using an Integrated Rule-Based Systems Approach <i>Grzegorz J. Nalepa, Antoni Ligęza</i>	334
On Two Possible Roles of Type-2 Fuzzy Sets in Linguistic Summaries <i>Adam Niewiadomski</i>	341
Fuzzy Sets-Based Retranslation of Numerical Data in E-Learning <i>Adam Niewiadomski, Bartosz Rybusiński</i>	348
Optimizing a Data Warehouse Using Evolutionary Computation <i>Maciej Osiński</i>	355
Specifying Schema Mappings for Query Reformulation in Data Integration Systems <i>Tadeusz Pankowski</i>	361
XKMS-Based Key Management for Open LBS in Web Services Environment <i>Namje Park, Howon Kim, Kyoil Chung, Seungjoo Kim, Dongho Won</i>	367
A Trust Model Based on Bayesian Approach <i>Jian-Jun Qi, Zeng-zhi Li, Ling Wei</i>	374
Automatic Assignment of Wikipedia Encyclopedic Entries to WordNet Synsets <i>Maria Ruiz-Casado, Enrique Alfonseca, Pablo Castells</i>	380
Using Existing Website Ontologies to Assist Navigation and Exploration <i>Guy Saward, Mahmood Shah, Tracy Hall</i>	387
Fuzzy Constraint Based Answer Validation <i>Steven Schockaert, Martine De Cock, Etienne E. Kerre</i>	394
Mining Context Based Sequential Patterns <i>Jerzy Stefanowski, Radosław Ziembinski</i>	401
Can One Out-Link Change Your PageRank? <i>Marcin Sydow</i>	408

Web Textual Documents Scoring Based on Discrete Transforms with Fuzzy Weighting <i>Piotr S. Szczepaniak, Michał Pryczek</i>	415
Recommendation System Using Multistrategy Inference and Learning <i>Bartłomiej Śnieżyński</i>	421
User Activity Investigation of a Web CRM System Based on the Log Analysis <i>Bogdan Trawiński, Marek Wróbel</i>	427
Researching on Composition Framework of Web Components Based On Organization <i>Zhi-Jian Wang, Yu-Kui Fei, Xiao-Feng Zhou</i>	433
Carrot ² : Design of a Flexible and Efficient Web Information Retrieval Framework <i>Stanisław Osiniński, Dawid Weiss</i>	439
Using Semantic Matching, Research on Semantic Web Services Composition <i>Yu Xing, Yingjie Li, Xueli Yu</i>	445
Ontology-Based Searching over Multiple Networked Data Sources <i>Liang Xue, Boqin Feng</i>	451
Studying on the Awareness Model in Ontological Knowledge Community <i>Xueli Yu, Jingyu Sun, Baolu Gao, Ying Wang, Meiyu Pang, Libin An</i>	458

III Workshop: Knowledge and Data Mining Grid

1st International Workshop on Knowledge and Data Mining Grid <i>Pilar Herrero, María S. Pérez, Víctor Robles</i>	464
Intelligent Database Distribution on a Grid Using Clustering <i>Valérie Fiolet, Bernard Toursel</i>	466
A Semantically-Rich Management System Based on CIM for the OGSA Security Services <i>Félix J. García Clemente, Gregorio Martínez Pérez, Antonio F. Gómez Skarmeta</i>	473
A Flexible Grid Infrastructure for Data Analysis <i>Hanna Kozankiewicz, Krzysztof Stencel, Kazimierz Subieta</i>	480

SoPhIA: A Unified Architecture for Knowledge Discovery <i>Dimitrios K. Korentzelos, Huaglory Tianfield, Tom Buggy</i>	486
Adapting the Weka Data Mining Toolkit to a Grid Based Environment <i>María S. Pérez, Alberto Sánchez, Pilar Herrero, Víctor Robles, José M. Peña</i>	492
DCP-Grid. A Framework for Concurrent Distributed Transactions on Grid Environments <i>Manuel Salvadores, Pilar Herrero, Maria S. Pérez, Víctor Robles</i>	498
A Roadmap to the Grid e-Workspace <i>Michalis Vafopoulos</i>	504
Author Index	511