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Witold Litwin Tadeusz Morzy  
Gottfried Vossen (Eds.)

# Advances in Databases and Information Systems

Second East European Symposium, ADBIS'98  
Poznań, Poland, September 7-10, 1998  
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## Volume Editors

Witold Litwin  
Université Paris 9 Dauphine  
Pl. du Maréchal Lattre de Tassigny, F-75016 Paris, France  
E-mail: Witold.Litwin@dauphine.fr

Tadeusz Morzy  
Institute of Computing Science, Poznań University of Technology  
ul. Piotrowo, 60-965 Poznań, Poland  
E-mail: morzy@put.poznan.pl

Gottfried Vossen  
Institut für Wirtschaftsinformatik, Universität Münster  
Steinfurter Str. 107, D-48149 Münster, Germany  
E-mail: vossen@wi-inf.uni-muenster.de

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# Foreword

The 2nd East European Symposium on Advances in Databases and Information Systems (ADBIS), organized in cooperation with the Association of Computing Machinery (ACM) and its Special Interest Group on Management of Data (SIGMOD), was held September 7–10, 1998, in Poznań, Poland. It continues and consolidates the series of ADBIS workshops, organized by the Moscow ACM SIGMOD Chapter, transformed into an annual, international Symposium, organized every year in different countries of Eastern Europe. The 1st East European Symposium on Advances in Databases and Information Systems was held in 1997 in St. Petersburg, Russia.

Database technology is at the heart of many mission-critical applications such as on-line transaction processing (banking, inventory systems, financial systems), on-line analytical processing (data warehousing, data mining), business workflow management, interoperable systems, or information systems on global networks. The aim of the symposium is to provide a forum for the presentation, discussion, and dissemination of new results, new concepts, tools, and techniques for database management and their use in information system management and development. We hope the 2nd East European Symposium on Advances in Databases and Information Systems also provides a forum that increases interaction and collaboration between research communities of Eastern Europe and the rest of the world in the area of databases and information systems.

These proceedings contain 25 contributed papers selected out of 90 submissions. These papers cover a wide spectrum of topics ranging from Web-related issues and data mining to core database technologies such as schema integration, database and information system design, optimization, storage, and version management. In addition to the research papers, the conference also includes two invited talks on data mining and on workflow management, and three industrial contributions. Moreover, the proceedings include six poster presentations given during a special session called “East meets West” whose aim is to bring together researchers from both East and West Europe to communicate their achievements and to promote cooperation between both communities. The conference is preceded by two tutorials on data integration and on managing multimedia information in a database environment.

We would like to express our sincere thanks to the people who have contributed to the success of ADBIS'98: the authors who submitted papers to the symposium, the program committee members for ensuring the quality of the scientific program, the industrial track chair, Witek Staniszkis, for organizing the industrial session, Tomasz Imieliński and C. Mohan, for giving the invited talks, Juliusz Jezierski, Krzysztof Jankiewicz, and Maciej Zakrzewicz for their software and help in organizing the program committee work. On the behalf of the chairs of ADBIS'98 we would like to express our special thanks to Piotr Krzyżagórski

whose continuous and coordinative activity ensured the success of ADBIS'98. Heartfelt thanks also go to Robert Wrembel for his setting up and maintaining the homepage of ADBIS'98, Czarek Sobaniec and Darek Wawrzyniak for assembling the proceedings, Alfred Hofmann of Springer-Verlag for accepting these proceedings for the LNCS series, Iza Tkocz for financial arrangements, the Steering Committee and, particularly, Leonid Kalinichenko for guidance and helpful advice.

June 1998

Witold Litwin  
Tadeusz Morzy  
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# Table of Contents

## Invited Papers

Recent Progress in Data Integration — A Tutorial .....	1
<i>D. Florescu, A. Levy</i>	
Managing Multimedia Information in a Database Environment — A Tutorial .....	3
<i>William I. Grosky</i>	
Association Rules... and What's Next? — Towards Second Generation Data Mining Systems .....	6
<i>T. Imieliński, A. Virmani</i>	
Workflow Management in the Internet Age .....	26
<i>C. Mohan</i>	

## Regular Papers

### Query Languages

Untyped Queries, Untyped Reflective Machines and Conditional Quantifiers .....	35
<i>J. M. Turull Torres</i>	
Containment of Conjunctive Queries with Built-in Predicates with Variables and Constants over Any Ordered Domain .....	46
<i>N. R. Brisaboa, H. J. Hernández, J. R. Paramá, and M. R. Penabad</i>	
Using Queries with Multi-directional Functions for Numerical Database Applications .....	58
<i>S. Flodin, K. Orsborn, and T. Risch</i>	

### Optimization

Multiple Range Query Optimization in Spatial Databases .....	71
<i>A. N. Papadopoulos, Y. Manolopoulos</i>	
Optimizing Command Logs by Exploiting Semantic Knowledge .....	83
<i>R. Baumann</i>	
A Distributed Algorithm for Global Query Optimization in Multidatabase Systems .....	95
<i>S. Salza, G. Barone, and T. Morzy</i>	

## Collaborative Systems

- Transaction Management in Databases Supporting Collaborative Applications . . . . . 107  
*W. Wiczerzycki*
- Object-Oriented Design of a Flexible Workflow Management System . . . . 119  
*M. Weske*
- Extending Transaction Closures by N-ary Termination Dependencies . . . . 131  
*K. Schwarz, C. Türker, and G. Saake*

## East Meets West

- Distributed Information Systems (Extended Abstract) . . . . . 143  
*R. Kramer, P. C. Lockemann*
- Integrated Web — Database Applications for Electronic Business (Extended Abstract) . . . . . 147  
*W. Cellary*
- Term Weighting in Query-Based Document Clustering (Extended Abstract) 151  
*K. Korpimies, E. Ukkonen*
- Discovery of Object-Oriented Schema and Schema Conflicts (Extended Abstract) . . . . . 154  
*H. M. Haav, M. Matskin*
- On the Ordering of Rewrite Rules (Extended Abstract) . . . . . 157  
*J. Kröger, S. Paul, and A. Heuer*
- Towards Data and Object Modelling (Extended Abstract) . . . . . 160  
*J. Pokorny*

## Schema Integration

- Propagation of Structural Modifications to an Integrated Schema . . . . . 163  
*R. Motz*
- Integration of Schemas Containing Data Versions and Time Components . . 175  
*M. Matysiak, T. Morzy, and B. Czejdo*
- Deriving Relationships between Integrity Constraints for Schema Comparison . . . . . 188  
*C. Türker, G. Saake*

## Storage and Version Management

- A Database Interface Integrating a Query Language for Versions . . . . . 200  
*E. Andonoff, G. Hubert, and A. Le Parc*

nP-Tree: Region Partitioning and Indexing for Efficient Path Planning ...	212
<i>L. Nawawi, J. R. Getta, and P. J. McKerrow</i>	

Replication in Mirrored Disk Systems .....	224
<i>A. Vakali, Y. Manolopoulos</i>	

## Object Systems

Clustering Techniques for Minimizing Object Access Time .....	236
<i>V. S. I. Wietrzyk, M. A. Orgun</i>	

Designing Persistence for Real-Time Distributed Object Systems .....	248
<i>I. Nekrestyanov, B. Novikov, and E. Pavlova</i>	

Partial Replication of Object-Oriented Databases .....	260
<i>M. Dobrovnik, J. Eder</i>	

## Knowledge Discovery and the Web

Optimizing Knowledge Discovery over the WWW .....	272
<i>M. Montebello</i>	

Data Mining Query Language for Object-Oriented Database .....	278
<i>V. Novacek</i>	

Itemset Materializing for Fast Mining of Association Rules .....	284
<i>M. Wojciechowski, M. Zakrzewicz</i>	

Schema Derivation for WWW Information Sources and Their Integration with Databases in Bioinformatics .....	296
<i>M. Höding, R. Hofestädt, G. Saake, and U. Scholz</i>	

## System Design

Component-Based Information Systems Development Tool Supporting the SYNTHESIS Design Method .....	305
<i>D. Briukhov, L. Kalinichenko</i>	

Translating Relational Queries to Object-Oriented Queries According to ODMG-93 .....	328
<i>A. Mostefaoui, J. Kouloumdjian</i>	

A Flexible Framework for a Correct Database Design .....	339
<i>D. Castelli, S. Pisani</i>	

## Industrial Track

Human Resources Information Systems Improvement: Involving Financial Systems and Other Sources Data .....	351
<i>S. Zyskov</i>	

Physical Structure Design For Relational Databases .....	357
<i>J. Charczuk</i>	
Modeling of Census Data in a Multidimensional Environment .....	363
<i>H. Günzel, W. Lehner, S. Eriksen, and J. Folkedal</i>	
<b>Author Index</b> .....	369