Preface

Data Warehousing and Knowledge Discovery technology is emerging as a key technology for enterprises that wish to improve their data analysis, decision support activities, and the automatic extraction of knowledge from data.

The objective of the Third International Conference on Data Warehousing and Knowledge Discovery (DaWaK 2001) was to bring together researchers and practitioners to discuss research issues and experience in developing and deploying data warehousing and knowledge discovery systems, applications, and solutions.

The conference focused on the logical and physical design of data warehousing and knowledge discovery systems. The scope of the papers covered the most recent and relevant topics in the areas of association rules, mining temporal patterns, data mining techniques, collaborative filtering, Web mining, visualization, matchmaking, development and maintenance of data warehouses, OLAP, and distributed data warehouses. These proceedings contain the technical papers selected for presentation at the conference.

We received more than 90 papers from over 20 countries, and the program committee finally selected 34 papers. The conference program included one invited talk: “Knowledge Management in Heterogeneous Data Warehouse Environments” by Professor Larry Kerschberg, George Mason University, USA.

We would like to thank the DEXA 2001 Workshop General Chair (Professor Roland Wagner) and the organizing committee of the 12th International Conference on Database and Expert Systems Applications (DEXA 2001) for their support and their cooperation. Many thanks go to Ms Gabriela Wagner for providing a great deal of help and assistance as well as to Mr Bernd Lengauer for administrating the conference management software. We are very indebted to all program committee members and additional reviewers who have reviewed the papers very carefully and timely. We would also like to thank all the authors who submitted their papers to DaWaK 2001; they provided us with an excellent technical program.

September 2001

Yahiko Kambayashi
Werner Winiwarter
Masatoshi Arikawa
Program Committee

General Chair:
Yahiko Kambayashi, Kyoto University, Japan

Program Chairs:
Werner Winiwarter, Software Competence Center Hagenberg, Austria
Masatoshi Arikawa, University of Tokyo, Japan

Program Committee Members:
Tatsuya Akutsu, University of Tokyo, Japan
Hiroki Arimura, Kyushu University, Japan
Mike Bain, The University of New South Wales, Australia
Elena Baralis, Politecnico di Torino, Italy
Roberto Bayardo, IBM Almaden Research Center, USA
Anjali Bhargava, TRW, USA
Bharat K. Bhargava, Purdue University, USA
Stefan Berchtold, stb software technology beratung gmbh, Germany
Ulrich Bodenhofer, Software Competence Center Hagenberg, Austria
Christian Böhm, Ludwig-Maximilians-University of Munich, Germany
Luca Cabibbo, Università degli Studi Roma Tre, Italy
Murray Campbell, IBM TJ Watson Research Center, USA
Tiziana Catarci, Università degli Studi di Roma "La Sapienza", Italy
Peter Chamoni, Gerhard-Mercator-University Duisburg, Germany
Arbee L. P. Chen, National Tsing Hua University, Taiwan
Janet Chen, Philips Research East Asia, Taiwan
Ming-Syan Chen, National Taiwan University, Taiwan
Qiming Chen, HP Laboratories, USA
W. Bruce Croft, University of Massachusetts, USA
Vasant Dhar, New York University, USA
Luc De Raedt, Albert-Ludwigs-University of Freiburg, Germany
Saso Dzeroski, J. Stefan Institute, Slovenia
Gillian Dobbie, Victoria University of Wellington, New Zealand
Guozhu Dong, University of South Australia, Australia
Vladimir Estivill-Castro, The University of Newcastle, Australia
Wenfei Fan, Temple University, USA
Li Min Fu, University of Florida, USA
Jean-Gabriel Ganascia, Université Paris VI, France
Minos Garofalakis, Bell Laboratories, USA
Ananth Grama, Purdue University, USA
VIII Organization

Marko Grobelnik, J. Stefan Institute, Slovenia
Robert Grossman, University of Illinois at Chicago, USA
Ajay Gupta, Western Michigan University, USA
S. K. Gupta, IIT Delhi, India
Marc Gyssens, University of Limburg, Belgium
Jiawei Han, Simon Fraser University, Canada
Abdelsalam Helal, University of Florida, USA
Tu Bao Ho, Japan Advanced Institute of Science and Technology, Japan
Se June Hong, IBM TJ Watson Research Center, USA
Hasan Jamil, Mississippi State University, USA
Samuel Kaski, Helsinki University of Technology, Finland
Hiroyuki Kawano, Kyoto University, Japan
Larry Kerschberg, George Mason University, USA
Masaru Kitsuregawa, University of Tokyo, Japan
Mika Klemettinen, Nokia Research Center, Finland
Yves Kodratoff, LRI, France
Jan Komorowski, Norwegian University of Science and Technology, Norway
Flip Korn, AT&T, USA
Qing Li, City University of Hong Kong, China
Leonid Libkin, Bell Laboratories, USA
Tsau Young Lin, San Jose State University, USA
Bing Liu, National University of Singapore, Singapore
Sanjay Kumar Madria, University of Missouri-Rolla Rolla, USA
Dieter Merkl, Vienna University of Technology, Austria
Mudha Mladenic, J. Stefan Institute, Slovenia and Carnegie Mellon University, USA
Mukesh Mohania, Western Michigan University, USA
Shinichi Morishita, University of Tokyo, Japan
Wee Keong Ng, Nanyang Technological University, Singapore
Masayuki Numao, Tokyo Institute of Technology, Japan
Sankar Kumar Pal, Indian Statistical Institute, India
Dimitris Papadias, Hong Kong University of Science and Technology, China
Stefano Paraboschi, Politecnico di Milano, Italy
D. Stott Parker, UCLA, USA
Flora Pizzuti, ISI-CNR, Italy
Lech Polkowski, Warsaw University of Technology, Poland
David Powers, The Flinders University of South Australia, Australia
Mohamed Quafafou, Université de Nantes, France
Chris Rainsford, DSTO, Australia
Zhiguo W. Ras, University of North Carolina Charlotte, USA
Rajeev Rastogi, Bell Laboratories, USA
Vic J. Rayward-Smith, University of East Anglia, United Kingdom
Elke A. Rundensteiner, Worcester Polytechnic Institute, USA
Domenico Saccà, Università della Calabria, Italy
N. L. Sarda, IIT Bombay, India
Michael Schrefl, Johannes Kepler University of Linz, Austria
Steffen Schulze-Kremer, Max Planck Institute for Molecular Genetics, Germany
Shashi Shekhar, University of Minnesota, USA
Junho Shim, Drexel University, USA
Kyuseok Shim, KAIST, South Korea
Andrzej Skowron, Warsaw University, Poland
Il-Yeol Song, Drexel University, USA
Bala Srinivasan, Monash University, Australia
Einoshin Suzuki, Yokohama National University, Japan
Ernest Teniente, Universitat Politècnica de Catalunya, Spain
Takao Terano, University of Tsukuba, Japan
A Min Tjoa, Vienna University of Technology, Austria
Hannu T. T. Toivonen, Nokia Research Center, Finland
Riccardo Torlone, Università degli Studi Roma Tre, Italy
Shusaku Tsumoto, Shimane Medical University, Japan
Vassilios Verykios, Drexel University, USA
Takashi Washio, Osaka University, Japan
Graham Williams, CSIRO, Australia
Gerry Wolff, University of Wales at Bangor, United Kingdom
Xindong Wu, Colorado School of Mines, USA
Yiyu Yao, University of Regina, Canada
Kazumasa Yokota, Okayama Prefectural University, Japan
Ning Zhong, Maebashi Institute of Technology, Japan
Jan Zytkow, University of North Carolina Charlotte, USA
External Reviewers

Vasudha Bhatnagar, Motilal Nehru College, University of Delhi, India
Robert Bruckner, Vienna University of Technology, Austria
Dickson Chiu, Hong Kong University of Science and Technology, China
Erwin van Geenen, Nyenrode University, The Netherlands
Floris Geerts, University of Limburg, Belgium
Bart Goethals, University of Limburg, Belgium
Vivekanand Gopalkrishnan, City University of Hong Kong, China
Thanh Huynh, Vienna University of Technology, Austria
Jia-Lien Hsu, National Tsing Hua University, Taiwan
Torgeir R. Hvidsten, Norwegian University of Science and Technology, Norway
Panos Kalnis, Hong Kong University of Science and Technology, China
Juha Kärkkäinen, Max-Planck-Institut für Informatik, Germany
Mong-Li Lee, National University of Singapore, Singapore
Herman Midelfart, Norwegian University of Science and Technology, Norway
Binh Nguyen, Vienna University of Technology, Austria
Trong Dung Nguyen, Japan Advanced Institute of Science and Technology, Japan
Jian Pei, Simon Fraser University, Canada
Andreas Rauber, Vienna University of Technology, Austria
Graeme Richards, University of East Anglia, United Kingdom
Francesco Scarcello, University of Calabria, Italy
Domenico Talia, ISI-CNR, Italy
Thomas Thalhammer, Johannes Kepler University of Linz, Austria
Ljupčo Todorovski, J. Stefan Institute, Slovenia
Martin Wehr, stb software technology beratung ag, Germany
Alicja Wieczorkowska, University of North Carolina Charlotte, USA
Yi-Hung Wu, National Tsing Hua University, Taiwan
Data Warehousing and Knowledge Discovery
Third International Conference, DaWaK 2001 Munich,
Germany September 5-7, 2001 Proceedings
Kambayashi, Y.; Winiwarter, W.; Arikawa, M. (Eds.)
2001, XIV, 366 p., Softcover
ISBN: 978-3-540-42553-3