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Tok Wang Ling Peter Scheuermann (Eds.)

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Volume Editors

Il-Yeol Song

Drexel University, College of Information Science and Technology

Philadelphia, PA 19104, USA

E-mail: song@drexel.edu

Stephen W. Liddle

Brigham Young University, Marriott School

School of Accountancy and Information Systems

Provo, UT 84602-3087, USA

E-mail: liddle@byu.edu

Tok Wang Ling

National University of Singapore, Dept. of Computer Science

3 Science Drive 2, Singapore 117543

E-mail: lingtw@comp.nus.edu.sg

Peter Scheuermann

Northwestern University, Dept. of Electrical and Computer Engineering

Evanston, IL 60208-3118, USA

E-mail: peters@ece.northwestern.edu

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Foreword

The 22nd International Conference on Conceptual Modeling (ER 2003) returned to Chicago after an absence of 18 years. Chicago, a city well known for its trendsetting and daring architecture, has met the new century with a renewed commitment to open public spaces and human interaction. Thus it provided a fitting venue for ER 2003, the scope of which was expanded to encompass all aspects of conceptual modeling in order to deal with constantly changing information technology and business practices and to accommodate a new openness in connecting systems to each other and to human users.

The ER 2003 Program Co-chairs, Il-Yeol Song, Stephen Liddle, and Tok Wang Ling, along with an outstanding Program Committee assembled one of the finest technical programs of this conference series. In keeping with the tradition of previous ER conferences, the program for ER 2003 also included four preconference workshops, two preconference tutorials, two conference tutorials, two panels, and a demos and poster session. The Program Co-chairs, as well as Manfred Jeusfeld and Óscar Pastor (Workshop Co-chairs), Ee-Peng Lim and Tobey Teorey (Tutorial Co-chairs), Avigdor Gal and Elisa Bertino (Panel Co-chairs), and Heinrich Mayr (Demos and Poster Chair), deserve our appreciation for an excellent job. It was a pleasure working with all of them.

I was extremely lucky to work with Kathi Hogshead Davis, the Organizing Chair, who along the road also took on the role of Treasurer, and gracefully ended up doing more work than she originally contracted for. Bamshad Mobasher was an energetic Local Arrangements Chair, and Rokia Missaoui gave very helpful service as Publicity Chair. I thank them and all the other members of the Organizing Committee for their dedication and professionalism.

I also express my sincere appreciation to the members of the ER Steering Committee, in particular to David Embley (Chair), Bernhard Thalheim (Vice-Chair), Jacky Akoka (ER2003 Liaison), and Peter Chen (Emeritus) for their continuing advice and vision.

Thanks are due too to all the sponsors for their support. And to all the attendees who contributed to the success of this conference, I am confident that you found the program of ER 2003 to be exciting and that our meeting, combined with the city of Chicago, provided a memorable experience for all of you.

October 2003

Peter Scheuermann

Preface

The 22nd International Conference on Conceptual Modeling (ER 2003) was held in Chicago, Illinois, October 13–16, 2003. The annual ER conference provides a forum for presenting and discussing current research and applications in which conceptual modeling is the major emphasis. Since its inception in 1979, the ER conference has become the most prestigious scientific conference covering conceptual modeling research and applications. The theme of ER 2003 was “conceptual modeling for the future.” The purpose of the conference was to identify challenging problems facing conceptual modeling of future information systems and to shape future research directions by soliciting and reviewing high-quality applied and theoretical research contributions. We solicited forward-looking and innovative papers that identified promising areas for future conceptual modeling research as well as traditional approaches to analysis and design theory for information systems development.

The call for papers resulted in 153 excellent submissions of research papers from more than two dozen countries. Due to space limitations, we were only able to accept 38 papers from 19 countries, for an acceptance rate of 24.8%. Inevitably, many good papers had to be rejected. The accepted papers covered topics such as ontologies, patterns, workflow, metamodeling and methodology, innovative approaches to conceptual modeling, foundations of conceptual modeling, advanced database applications, systems integration, requirements and evolution, queries and languages, Web application modeling and development, schema and ontology integration, and data mining.

We were pleased with the quality of this year’s program, from the keynote speeches to the workshops, panels, tutorials, industrial papers, and research papers. Many people helped make ER 2003 successful. We appreciated the outstanding keynote addresses by the renowned scholars Erich Neuhold, Stuart Madnick, and Michael Carey, and we thank James Odell for his excellent industrial keynote speech. We appreciate the diligent work of the organizing committee. Most of all, we are extremely grateful to the program committee members of ER 2003 who generously spent their time and energy reviewing submitted papers. We also thank the many external referees who helped with the review process. Finally, we thank the authors who wrote strong research papers and submitted them to ER 2003.

October 2003

Il-Yeol Song
Stephen W. Liddle
Tok Wang Ling

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Sven Casteleyn	Renata de Matos Galante
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Sang-Ho Lee	Li Xu
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Yun Lin	Huimin Zhao

Tutorials

Object-Process Methodology and Its Application to the Visual Semantic Web

Dov Dori, Technion, Israel and MIT, USA

Data Modeling Using XML

Murali Mani, UCLA, USA

Antonio Badia, University of Louisville, USA

Understanding Metamodeling

Brian Henderson-Sellers, Sydney University of Technology, Australia

Data Analytics for Customer Relationship Management

Jaideep Srivastava, University of Minnesota, USA

Workshops

eCOMO 2003

4th International Workshop on Conceptual Modeling Approaches for E-Business

Co-chairs: Heinrich C. Mayr, University of Klagenfurt, Austria

Willem-Jan van den Heuvel, Tilburg University, The Netherlands

IWCMQ 2003

International Workshop on Conceptual Modeling Quality

Co-chairs: Marcela Género, University of Castilla-La Mancha, Spain

Jim Nelson, Ohio State University, USA

Geert Poels, Ghent University, Belgium

AOIS 2003

5th International Workshop on Agent-Oriented Information Systems

Co-chairs: Paolo Giorgini, University of Trento, Italy

Brian Henderson-Sellers, University of Technology, Sydney

XSDM 2003

International Workshop on XML Schema and Data Management

Chair: Sanjay K. Madria, University of Missouri-Rolla, USA

See LNCS vol. 2814 for the workshop proceedings.

Table of Contents

Invited Talks

Semantic Web Application Modeling	1
<i>Erich Neuhold</i>	
Oh, so That Is What You Meant! The Interplay of Data Quality and Data Semantics	3
<i>Stuart Madnick</i>	
Enterprise Information Integration – XML to the Rescue!	14
<i>Michael J. Carey</i>	
Workflow Using AUML and Agents	15
<i>James J. Odell</i>	

Systems and Data Integration

Statistical Analysis as Methodological Framework for Data(base) Integration.....	17
<i>Evguenia Altareva, Stefan Conrad</i>	
QoM: Qualitative and Quantitative Schema Match Measure	31
<i>Naiyana Tansalarak, Kajal Claypool</i>	
The Uni-level Description: A Uniform Framework for Representing Information in Multiple Data Models	45
<i>Shawn Bowers, Lois Delcambre</i>	

Workflows, Patterns, and Ontologies

Temporal Conceptual Modelling of Workflows	59
<i>Carlo Combi, Giuseppe Pozzi</i>	
Towards a Logical Model for Patterns	77
<i>Stefano Rizzi, Elisa Bertino, Barbara Catania, Matteo Golfarelli, Maria Halkidi, Manolis Terrovitis, Panos Vassiliadis, Michalis Vazirgiannis, Euripides Vrachnos</i>	
Designing Foundational Ontologies	91
<i>Luc Schneider</i>	

Metamodeling and Methodology

An OPM-Based Metamodel of System Development Process	105
<i>Dov Dori, Iris Reinhartz-Berger</i>	
A Unified Approach for Software Policy Modeling: Incorporating Implementation into a Modeling Methodology	118
<i>Junho Shim, Seungjin Lee, Chisu Wu</i>	
Deriving Use Cases from Business Process Models	131
<i>Jan L.G. Dietz</i>	

Views and XQuery Approaches

Order-Sensitive View Maintenance of Materialized XQuery Views	144
<i>Katica Dimitrova, Maged El-Sayed, Elke A. Rundensteiner</i>	
Automatic Generation of XQuery View Definitions from ORA-SS Views	158
<i>Ya Bing Chen, Tok Wang Ling, Mong Li Lee</i>	
Automaton Meets Query Algebra: Towards a Unified Model for XQuery Evaluation over XML Data Streams	172
<i>Jinhui Jian, Hong Su, Elke A. Rundensteiner</i>	
Querying Heterogeneous XML Sources through a Conceptual Schema	186
<i>Sandro Daniel Camillo, Carlos Alberto Heuser, Ronaldo dos Santos Mello</i>	

Web Application Modeling and Development

Analysis of Web Services Composition Languages: The Case of BPEL4WS	200
<i>Petia Wohed, Wil M.P. van der Aalst, Marlon Dumas, Arthur H.M. ter Hofstede</i>	
Extending Conceptual Models for Web Based Applications	216
<i>Phillipa Oaks, Arthur H.M. ter Hofstede, David Edmond, Murray Spork</i>	
Development of Web Applications from Web Enhanced Conceptual Schemas	232
<i>Joan Fons, Vicente Pelechano, Manoli Albert, Óscar Pastor</i>	

Extending Hypertext Conceptual Models with Process-Oriented Primitives	246
<i>Marco Brambilla</i>	

Requirements and Evolution

Requirement Engineering Meets Security: A Case Study on Modelling Secure Electronic Transactions by VISA and Mastercard	263
<i>Paolo Giorgini, Fabio Massacci, John Mylopoulos</i>	
Goal-Based Business Modeling Oriented towards Late Requirements Generation	277
<i>Hugo Estrada, Alicia Martínez, Óscar Pastor</i>	
Strategy for Database Application Evolution: The DB-MAIN Approach	291
<i>Jean-Marc Hick, Jean-Luc Hainaut</i>	

Data Warehousing and OLAP

A UML Based Approach for Modeling ETL Processes in Data Warehouses	307
<i>Juan Trujillo, Sergio Luján-Mora</i>	
A General Model for Online Analytical Processing of Complex Data	321
<i>Jian Pei</i>	
An Interpolated Volume Model for Databases	335
<i>Tianqiu Wang, Simone Santini, Amarnath Gupta</i>	

Conceptual Modeling Foundations

Integrity Constraints Definition in Object-Oriented Conceptual Modeling Languages	349
<i>Antoni Olivé</i>	
Conceptual Treatment of Multivalued Dependencies	363
<i>Bernhard Thalheim</i>	
Entity Types Derived by Symbol-Generating Rules	376
<i>Jordi Cabot, Antoni Olivé, Ernest Teniente</i>	

Data Mining

DAISY, an RER Model Based Interface for RDB to ILP	390
<i>Keiko Shimazu, Atsuhito Momma, Koichi Furukawa</i>	

Context-Based Data Mining Using Ontologies	405
<i>Sachin Singh, Pravin Vajirkar, Yugyung Lee</i>	

Mining Typical Preferences of Collaborative User Groups	419
<i>Su-Jeong Ko, Jiawei Han</i>	

Innovative Approaches to Conceptual Modeling

Conceptual Modeling of Concurrent Systems through Stepwise Abstraction and Refinement Using Petri Net Morphisms	433
<i>Boleslaw Mikolajczak, Zuyan Wang</i>	

Taxonomy-Based Conceptual Modeling for Peer-to-Peer Networks	446
<i>Yannis Tzitzikas, Carlo Meghini, Nicolas Spyrtos</i>	

EITH – A Unifying Representation for Database Schema and Application Code in Enterprise Knowledge Extraction	461
<i>Mark S. Schmalz, Joachim Hammer, MingXi Wu, Oguzhan Topsakal</i>	

Queries

A Heuristic-Based Methodology for Semantic Augmentation of User Queries on the Web.....	476
<i>Andrew Burton-Jones, Veda C. Storey, Vijayan Sugumaran, Sandeep Purao</i>	

On Analysing Query Ambiguity for Query Refinement: The Librarian Agent Approach	490
<i>Nenad Stojanovic</i>	

A Declarative XML-RL Update Language.....	506
<i>Mengchi Liu, Li Lu, Guoren Wang</i>	

Schema and Ontology Integration

Resolving Structural Conflicts in the Integration of XML Schemas: A Semantic Approach	520
<i>Xia Yang, Mong Li Lee, Tok Wang Ling</i>	

Operators and Classification for Data Mapping in Semantic Integration	534
<i>Anca Dobre, Farshad Hakimpour, Klaus R. Dittrich</i>	

Querying and Integrating Ontologies Viewed as Conceptual Schemas	548
<i>Dimitri Theodoratos, Theodore Dalamagas</i>	

Industrial Abstracts

A Comparison of Frameworks for Enterprise Architecture Modeling	562
<i>Richard Martin, Edward Robertson</i>	
Bless the ODS	565
<i>Michael Bryan, Ali M. Tafreshi</i>	
Modeling Reactive Behavior in ORM	567
<i>Terry Halpin, Gerd Wagner</i>	
Developing Complex Systems with Object-Process Methodology Using OPCAT	570
<i>Dov Dori, Iris Reinhartz-Berger, Arnon Sturm</i>	
Conceptual Data Models for Engineering Information Modeling and Formal Transformation of EER and EXPRESS-G	573
<i>Z.M. Ma, Shiyong Lu, Farshad Fotouhi</i>	
AXIS: A XML Schema Integration System	576
<i>Bipin Sakamuri, Sanjay Madria, K. Passi, Eric Chaudhry, Mukesh Mohania, S. Bhowmick</i>	
Episode-Based Conceptual Mining of Large Health Collections	579
<i>Tatiana Semenova</i>	
Author Index	583