

# Table of Contents

Context – Sensitive Query Expansion Based on Fuzzy Clustering of Index Terms .....	1
<i>Giorgos Akrivas, Manolis Wallace, Giorgos Stamou, Stefanos Kollias</i>	
Intelligent Information Integration as a Constraint Handling Problem.....	12
<i>Liviu Badea, Doina Tilivea</i>	
Effect Preservation as a Means for Achieving Update Consistency .....	28
<i>Mira Balaban, Steffen Jurk</i>	
Recursive Queries in Product Databases .....	44
<i>J.H. ter Bekke, J.A. Bakker</i>	
A Class-Based Logic Language for Ontologies .....	56
<i>Djamal Benslimane, Mohand-Saïd Hacid, Evimaria Terzi, Farouk Toumani</i>	
Consistent Answers from Integrated Data Sources .....	71
<i>Leopoldo Bertossi, Jan Chomicki, Alvaro Cortés, Claudio Gutiérrez</i>	
A Knowledge-Based Query System for Biological Databases .....	86
<i>Paolo Bresciani, Paolo Fontana</i>	
On Measuring Similarity for Conceptual Querying.....	100
<i>Henrik Bulskov, Rasmus Knappe, Troels Andreasen</i>	
Representation & Querying of Temporal Conflict.....	112
<i>Panagiotis Chountas, Ilias Petrounias, Krassimir Atanassov, Vassilis Kodoiannis, Elia El-Darzi</i>	
Adding Flexibility to Structure Similarity Queries on XML Data .....	124
<i>Paolo Ciaccia, Wilma Penzo</i>	
An Efficient Incremental Lower Bound Approach for Solving Approximate Nearest-Neighbor Problem of Complex Vague Queries .....	140
<i>Tran Khanh Dang, Josef Küng, Roland Wagner</i>	
Association Rule Extraction for Text Mining .....	154
<i>M. Delgado, M.J. Martín-Bautista, D. Sánchez, J.M. Serrano, M.A. Vila</i>	
User Preference Information in Query Answering.....	163
<i>Pierangelo Dell’Acqua, Luís Moniz Pereira, Aida Vitória</i>	

Bipolarity in Flexible Querying . . . . .	174
<i>Didier Dubois, Henri Prade</i>	
Theory of K-Calculuses as a Powerful and Flexible Mathematical Framework for Building Ontologies and Designing Natural Language Processing Systems . . . . .	183
<i>Vladimir A. Fomichov</i>	
X-Compass: An XML Agent for Supporting User Navigation on the Web .	197
<i>Salvatore Garruzzo, Stefano Modafferi, Domenico Rosaci, Domenico Ursino</i>	
A Parallel Spatial Join Processing for Distributed Spatial Databases . . . . .	212
<i>Myoung-Soo Kang, Seung-Kyu Ko, Kyun Koh, Yoon-Chul Choy</i>	
Query Construction through Meaningful Suggestions of Terms . . . . .	226
<i>E. Kapetanios, P. Groenewoud</i>	
An Augmented Visual Query Mechanism for Finding Patterns in Time Series Data . . . . .	240
<i>Eamonn Keogh, Harry Hochheiser, Ben Shneiderman</i>	
Spatio-Temporal Querying in Video Databases . . . . .	251
<i>Mesru Köprülü, Nihan Kesim Çiçekli, Adnan Yazıcı</i>	
A Similarity-Based Unification Model for Flexible Querying . . . . .	263
<i>S. Krajčí, R. Lencses, J. Medina, M. Ojeda-Aciego, P. Vojtáš</i>	
A Formal Model for Data Fusion . . . . .	274
<i>Mounia Lalmas</i>	
Flexible Management of Consistency and Availability of Networked Data Replications . . . . .	289
<i>Francesc D. Muñoz-Escóí, Luis Irún-Briz, Pablo Galdámez, José M. Bernabéu-Aubán, Jordi Bataller, M. Carmen Bañuls, Hendrik Decker</i>	
Querying Multidatabase Systems Using SIQL . . . . .	301
<i>N. Parimala, T.V. Vijay Kumar</i>	
Extending Relational Data Access Programming Libraries for Fuzziness: The fJDBC Framework . . . . .	314
<i>Miguel-Angel Sicilia, Elena García, Paloma Díaz, Ignacio Aedo</i>	
Approximating Terminological Queries . . . . .	329
<i>Heiner Stuckenschmidt, Frank van Harmelen</i>	
Conjunctive Aggregation of Extended Possibilistic Truth Values and Flexible Database Querying . . . . .	344
<i>Guy de Tré, Rita de Caluwe, Jörg Verstraeete, Axel Hallez</i>	

Interactive Query Formulation in Semistructured Databases ..... 356  
*Agathoniki Trigoni*

Paraconsistent Query Answering Systems ..... 370  
*Jørgen Villadsen*

**Author Index** ..... 385



<http://www.springer.com/978-3-540-00074-7>

Flexible Query Answering Systems

5th International Conference, FQAS 2002. Copenhagen,  
Denmark, October 27-29, 2002, Proceedings

Andreasen, T.; Motro, A.; Christiansen, H.; Larsen, H.L.  
(Eds.)

2002, XII, 392 p., Softcover

ISBN: 978-3-540-00074-7