ADBIS'2002 Program

	SATURDAY, SEPTEMBER 7TH
15.00 – 19.00	**REGISTRATION**
19.00 – 20.00	**WELCOME DRINK**

	SUNDAY, SEPTEMBER 8TH
	Tutorial I
9.00 – 12.00	Design and Maintenance of Data Warehouses Timos Sellis (Knowledge and Database Systems Laboratory at NTUA, Greece)
12.30 – 13.30	**LUNCH**
	Tutorial II
14.00 – 17.00	Aspect-Oriented Programming: What does it Mean for Database Systems? Awais Rashid (Computing Department, Lancaster University, UK)
19.00 – 20.30	**CONCERT**

	MONDAY, SEPTEMBER 9TH
9.00 – 9.15	**Opening Session**
	Session 1, Invited Lecture I
9.15 – 10.45	Time: a Coordinate for Web Site Modelling Paolo Atzeni (University of Roma 3, Italy)
10.45 – 11.00	**COFFEE BREAK**
	Session 2, XML and Semistructured Data I
11.00 – 11.20	Indexing XML Data with UB-trees Michal Kratky (Technical University of Ostrava, Czech Republic), Jaroslav Pokorny (Charles University, Czech Republic), Vaclav Snasel (Technical University of Ostrava, Czech Republic)
11.20 – 11.50	A Declarative Way of Searching XML Data in XSL Jixue Liu, Chengfei Liu (University of South Australia)
11.50 – 12.10	IndML – an Industrial Markup Language Claudia Raibulet, Claudio Demartini (Politechnico di Torino, Italy)
	Session 3, Spatiotemporal and Spatial Databases
11.00 – 11.20	Spatial Temporal Queries and Triggers for Managing Moving Objects Minglin Deng, Fengli Zhang (University of Illinois at Chicago, USA)
11.20 – 11.50	Spatio-temporal Geographic Information Systems: a Causal Perspective Baher A. El-Geresy (University of Glamorgan, UK), Alia I. Abdelmoty, Christopher B. Jones (Cardiff University, UK)
11.50 – 12.20	An Access Method for Integrating Multi-scale Geometric Data Joon-Hee Kwon, Yong-Ik Yoon (Sookmyung Women's University, Korea)
	Session 4, Theoretical Issues
11.00 – 11.20	Containment of Inequality Queries Revisited José Barja, Nieves Brisaboa, Jose Paramá, Miguel Penabad (Universidade de Coruna, Spain)
11.20 – 11.40	A Data Model for Annotated Programs Stanislav Krajci (Safarik University), Rastislav Lencses (Institute of Computer Science, Czech Republic), Peter Vojtas (Mathematical Institute, Slovak Republic)
11.40 – 12.10	A Semantic Query Optimization Approach to Optimize Linear Datalog Programs José Paramá, Nieves Brisaboa, Miguel Penabad, Ángeles Places (Universidade de Coruna, Spain)
12.10 – 12.30	Navigation Through Query Results Using Concept Order Václav Snášel, Tomáš Skopal, Daniela Duráková (Technical University Ostrava, Czech Republic)
12.30 – 13.30	**LUNCH**

	Session 5, Mobile Databases
14.00 – 14.30	Monitoring Continuous Location Queries Using Mobile Agents Sergio Ilarri, Eduardo Mena (University of Zaragoza, Spain), Arantza Illarramendi (University of the Basque Country, Spain)
14.30 – 15.00	Optimistic Concurrency Control based on Timestamp Interval for Broadcast Environment Ukhyum Lee, Buhyun Hwang (Chonnam National University, Korea)
15.00 – 15.30	A Flexible Personalization Architecture for Wireless Internet Based Mobile Agents George Samaras, Christoforos Panayiotou (University of Cyprus)
15.30 – 16.00	Multiversion Data Broadcast Organizations Oleg Shigiltchoff, Panos Chrysanthis (University of Pittsburgh, USA), Evaggelia Pitoura (University of Ioannina, Greece)
	Session 6, Data Mining and Knowledge Discovery I
14.00 – 14.30	Intelligent Support for Information Retrieval in the WWW Environment Robert Koval, Pavol Návrat (Slovak University of Technology, Slovak Republic)
14.30 – 15.00	An Approach to Improve Text Classification Efficiency Shuigeng Zhou, Jihong Guan (Wuhan University, China)
15.00 – 15.20	Semantic Similarity in Content-based Filtering Gabriela Polcicová, Pavol Návrat (Slovak University of Technology, Slovak Republic)
15.20 – 15.50	Data Access Paths for Frequent Itemset Discovery Marek Wojciechowski, Maciej Zakrzewics (Poznan University of Technology, Poland)
15.50 – 16.15	**COFFEE BREAK**
	Session 7, XML and Semistructured Data II
16.15 – 16.35	Indexing XML to Support Path Expressions Dmitry Barashev, Boris Novikov (University of St. Petersburg, Russia)
16.35 – 16.55	Proximity Determination and its Optimization for Semistructured Data Michael Barg, Raymond Wong (University of New South Wales, Australia)
16.55 – 17.15	Semistructured Data Store Mapping with XML and its Reconstruction Enhong Chen, Gongqing Wu (University of Science and Technology, China), Gabriela Nindemann, Mirjam Minor (Humbolt University, Germany)
	Session 8, Information Systems
16.15 – 16.35	The Business Rules Repository for Information Systems Design Rimantas Butleris, Kestutis Kapocius (Kaunas University of Technology, Lithuania)
16.35 – 17.05	A Framework to Analyse and Evaluate Information Systems Specification Languages Albertas Caplinskas, Audrone Lupeikiene (Institute of Mathematics and Informatics, Lithuania), Olegas Vasilecas (Vilnius Gediminas Technical University, Lithuania)
17.05 – 17.25	Meta-level Transformation in Systems Integration Jana Kohoutková (Masaryk University Brno, Czech Republic)
19.00 – 22.00	**WELCOME DINNER**

	TUESDAY, SEPTEMBER 10TH
	Session 9, Invited Lecture II
9.00 – 10.30	Trust is not Enough: Privacy and Security in ASP and Web Service Environments Oliver Gunther (Humboldt University, Germany)
10.30 – 10.45	**COFFEE BREAK**
	Session 10, Spatial Access Methods
10.45 – 11.15	Revisiting R-tree Construction Principles Sotiris Brakatsoulas, Dieter Pfoser, Yannis Theodoridis (Computer Technology Institute, Greece)
11.15 – 11.45	Approximate Algorithms for Distance-based Queries in High-dimensional Data Spaces Using R-trees Antonio Corral, Joaquin Cañadas (University of Almeria, Spain), Michael Vassilakopoulos (Aristotle University, Greece)
11.45 – 12.15	Efficient Similarity Search in Feature Spaces with the Q-tree Elena Jurado, Manuel Barrena (Extremadura University, Spain)
	Session 11, Object Oriented Databases
10.45 – 11.05	On the Estimation of Query Execution Time in Object Oriented Databases at the Early Design Stages Aleksey Burdakov, Yuri Grigorev (Moscow State Technical University, Russia), Andrey Ploutenko (Amur State University, Russia)
11.05 – 11.35	Flattening the Metamodel for Object Databases Piotr Habela (Polish-Japanese Institute of Information Technology, Poland), Mark Roantree (Dublin City University, Ireland), Kazimierz Subieta (Institute of Computer Science, Poland)
11.35 – 12.05	An Object Algebra for the ODMG Standard Alexandre Zamulin (Ershov Institute of Informatics Systems, Russia)
	Session 12, Advanced Systems and Applications
10.45 – 11.15	Towards Variability Modeling for Reuse in Hypermedia Engineering Peter Dolog, Mária Bieliková (Slovak University of Technology)
11.15 – 11.35	A Strategy for Evaluating Web-based Discretionary Decision Support Systems Maria Jean Hall, Andrew Stranieri (La Trobe University, Australia), John Zeleznikow (University of Edinburgh, UK)
11.35 – 12.05	Complex Temporal Patterns Detection over Continuous Data Streams Lilian Harada (Fujitsu Labs, Japan)
12.30 – 13.30	**LUNCH**
14.00 – 22.00	**TRIP TO 'CERVENY KAMEN' CASTLE**

	WEDNESDAY, SEPTEMBER 11TH
	Session 13, Invited Lecture III
9.00 – 10.30	Infrastructure for Information Spaces Hans-Jörg Schek (ETH Zurich, Switzerland)
10.30 – 10.45	**COFFEE BREAK**
	Session 14, Data Mining and Knowledge Discovery II
10.45 – 11.05	Visually Mining an Multiple Relational Tables an Once Maria Camila Barioni, Humberto Razente, Caetano Traina Jr, Agma Traina (University of São Paulo at São Carlos, Brazil)
11.05 – 11.35	An Axiomatic Approach to Defining Approximation Measures for Functional Dependencies Chris Giannella (Indiana University, USA)
11.35 – 11.55	Describing the Data Mining Process with DMSL Petr Kotásek, Jaroslav Zendulka (Brno University of Technology, Czech Republic)
11.55 – 12.15	Modelling of an Engine Based Approach to the Decision Support Thomas Feglar (Prague, Czech Republic)
	Session 15, Data Warehouses and OLAP
10.45 – 11.15	OLAP Query Evaluation in a Database Cluster: a Performance Study on Intra-query Parallelism Fuat Akal, Klemens Böhm, Hans-Jörg Schek (ETH Zurich, Switzerland)
11.15 – 11.35	MF-Retarget: Aggregate in Multiple Fact Table Schema Data Warehouses Karin Becker, Duncan Dubugras Ruiz, Kellyne Santos (Pontificia Universidade Católica de Rio Grande do Sul, Brazil)
11.35 – 12.05	A Standard for Representing Multidimensional Properties: the Common Warehouse Metamodel (CWM) Enrique Medina, Juan Trujillo (Universidad de Alicante, Spain)
	Session 16, Workflows
10.45 – 11.15	A Meta Model for Structured Workflows Supporting Workflow Transformation Johann Eder, Wolfgang Gruber (Univeristy of Klangerfurt, Austria)
11.15 – 11.35	Dynamic Changes in Workflow Participant Assignment Mariusz Momotko (Rodan Systems, Poland), Kazimierz Subieta (Institute of Computer Science, Poland)
11.35 – 11.55	Applying CSP-like Workflow Process Specifications for their Refinement in AMN by Pre-existing Workflows Sergey Stupnikov, Leonid Kalinichenko (Institute for Problems of Informatics, Russian Academy of Sciences, Russia), Jin Song Dong (National University of Singapore)
12.30 – 13.30	**LUNCH**
	Session 17, Data Modeling
14.00 – 14.30	Many-dimensional Schema Modeling Thomas Feyer, Bernhard Thalheim (Brandenburg University of Technology, Germany)
14.30 – 14.50	Object-oriented Data Model for Data Warehouse Alexandre Konovalov (Lomonosov Moscow State University, Russia)
14.50 – 15.10	On Modeling Closed Entity-Relationship Diagrams in an Elementary Mathematical Data Model Christian Mancas (Ovidius University, Romania)
	Session 18, Web Databases
14.00 – 14.20	Towards an Exhaustive Set of Rewriting Rules for Xquery Optimization: BizQuery Experience Maxim Grinev (Moscow State University), Sergey Kuznetsov (Institute for System Programming, Russia)
14.20 – 14.50	Architecture of a Blended-query and Result-visualization Mechanism for Web-accessible Databases and Associated Implementation Issues Mona Marathe, Hemalatha Diwakar (University of Pune, India)
14.50 – 15.20	Accommodating Changes in Semistructured Databases Using Multidimensional OEM Yannis Stavrakas, Manolis Gergatsoulis (NCSR Demokritos, Greece), Christos Doukeridis, Vassilis Zafeiris (National Technical University of Athens, Greece)
15.10 – 15.30	**COFFEE BREAK**
15.30 – 15.45	**Closing Session**