OnTheMove 2005

CONFERENCES

DOA

ODBASE

CoopIS

WORKSHOPS

AWeSOMe - CAMS - GADA
PhD - WOSE - MIOS-INTEROP
ORM - SWWS - SeBGIS

30 Oct - 04 Nov

Agia Napa, Cyprus
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SUNDAY OCTOBER 30

**SUN ROOM.1**  PhD Symposium (Part I) — *Chairs: Peter Spyns, Antonia Albani, Johannes-Maria Zaha*

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**SUN REGISTRATION DESK**
0800  Federated Conferences registration
0800  Welcome coffee

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1030  **PHD.0**  Welcome and opening:
by Peter Spyns (Vrije Universiteit Brussel, Belgium), Antonia Albani (University of Augsburg, Germany) and Johannes-Maria Zaha (University of Augsburg, Germany)

1100  invited talk (still to be confirmed)

1130  **PHD.1**  Session 1

*Accelerating Distributed New Product Development by Exploiting Information and Communication Technology*
Darius Khodawandi (Delft University of Technology, The Netherlands)

1230  lunch

1400  **PHD.2**  Session 2

*Towards QoS-awareness of Context-aware Mobile Applications and Services*
Katarzyna Wac (University of Geneva, & University of Twente)

*Supporting the developers of context-aware mobile telemedicine application*
Tom Broens (University of Twente, The Netherlands)

1600  coffee break

1630  **PHD.3**  Session 3

*Multilingual Semantic Web Services*
Frédéric Hallot (Royal Military Academy, Belgium & Vrije Universiteit Brussel, Belgium)

*Improving information retrieval effectiveness by using domain knowledge stored in ontologies*
Gábor Nagypál (University of Karlsruhe, Germany)

1830  close
SUN ROOM.2  CAMS Workshop (Part I)—Chairs: Annika Hinze and George Buchanan

0900  Opening Session - Chairs: Annika Hinze, George Buchanan
1030  Coffee
1100  CAMS.1  Profiles and Personalization - Chair: Annika Hinze

Personalising context-aware applications
Karen Henricksen (CRC for Enterprise Distributed Systems Technology, Australia), Jadwiga Indulska (School of Information Technology and Electrical Engineering, The University of Queensland, Australia)

Management of Heterogeneous Profiles in Context-aware Adaptive Information System
Roberto De Virgilio, Riccardo Torlone (Dipartimento di Informatica e Automazione Università degli studi Roma, Italy)

Context-Aware Recommendations on the Mobile Web
Hong Joo Lee, Joon Yeon Choi and Sung Joo Park (Graduate School of Management, Korea Advanced Institute of Science and Technology, Republic of Korea)

1230  lunch
1400  CAMS.2  Querying and fetching - Chair: George Buchanan

Capturing Context in Collaborative Profiles for Mobile Health Care Patient Alerting
Doris Jung, Annika Hinze (University of Waikato, New Zealand)

Using context of a mobile user to prefetch relevant information
Holger Kirchner (Fraunhofer IPSI, Germany)

Location-based Mobile Querying in Peer-to-Peer Networks
Michel Scholl (Cedric - Conservatoire National des Arts et Métiers, France), Marie Thilliez (LAMIH - Université de Valenciennes, France), Agnes Voisard (Fraunhofer ISST and FU Berlin, Germany)

1530  coffee
1600  CAMS.3  Development and Engineering; Discussion - Chairs: Annika Hinze and George Buchanan

Seamless Engineering of Location-Aware Services
Gustavo Rossi (CONICET & LIFIA, Facultad de Informatica. UNLP, Argentina), Silvia Gordillo (CICPBA and LIFIA, Facultad de Informatica. UNLP, Argentina), Andres Fortier (LIFIA, Facultad de Informatica. UNLP, Argentina)

Panel & discussion
1730  close (continued on Monday)
MONDAY OCTOBER 31

MON REGISTRATION DESK
0800 Federated Conferences registration
0800 Welcome coffee

MON SHARED WELCOME AND KEYNOTE SESSION

0900 OTM’05 and DOA’05 Welcome by General and PC Chairs
0930 OPENING KEYNOTE.1 — Chairs: Ozalp Babaoglu, (University of Bologna, Italy), H. - Arno Jacobsen (Univ. of Toronto, Canada), Joseph Loyall (BBN Technologies, USA)

David Rosenblum (University College London)
Wide-Area Publish/Subscribe: A Re-Assessment

1030 Coffee break

MON ROOM.1 DOA’05

1100 DOA.1 Java Environments—Chair: Henrike Schuhart

A Task-Type Aware Transaction Scheduling Algorithm in J2EE
Xiaoning Ding, Xin Zhang, BeiHong Jin, Tao Huang
(Institute of Software, Chinese Academy of Sciences, China)

Application Object Isolation in Cross-Platform Operating Environments
Stefan Paal (Fraunhofer Institute for Media Communication, Germany)
Reiner Kammüller (University of Siegen, Germany)
Bernd Freisleben (University of Marburg, Germany)

Garbage Collection in the Presence of Remote Objects: An Empirical Study
W. Srisa-an, M. Oey, S. Elbaum (University of Nebraska-Lincoln, USA)

1230 lunch

1400 DOA.2 Communication Services — Chair: Serge Midonnet

A CORBA Bidirectional-Event Service for Video and Multimedia Applications
Felipe Garcia-Sanchez, Antonio Javier Garcia-Sanchez, Pablo Pavon-Mariño, Joan Garcia-Haro (Polytechnic University of Cartagena, Spain)

GREEN: A Configurable and Re-Configurable Publish-Subscribe Middleware for Pervasive Computing
Thirunavukkarasu Sivaharan, Gordon Blair, Geoff Coulson
(Lancaster University, UK)
Transparency and Asynchronous Method Invocation
Pierre Vignéras
(GIK Institute of Engineering Sciences and Technology, Pakistan)

1530 coffee break

1600 DOA.3 Techniques for Application Hosting
—Chair: Witawas Srisa-an

COROB: a controlled resource borrowing framework for overload handling in cluster-based service hosting center
Wang Yufeng, Liu Bixin, Wang Haaimin, Shi Dianxi
(National University of Defense Technology, China)

Accessing X Applications over the World-Wide Web
A. Puder, S. Desai (San Francisco State University, USA)

Exploiting Application Workload Characteristics To Efficiently Estimate Replica Server Response Time
Corina Ferdean and Mesaac Makpangou (INRIA Rocquencourt, France)

1730 close

MON ROOM.2 PhD Symposium (Part II) —Chairs: Peter Spyns, Antonia Albani, Johannes-Maria Zaha

1100 PHD.4 Session4

Top-k Skyline: A Unified Approach
Marlene Goncalves & Maria-Esther Vidal (Universidad Simon Bolivar, Venezuela)

Judicial support systems: ideas for a privacy ontology-based case analyzer
Yan Tang & Robert Meersman (Vrije Universiteit Brussel, Belgium)

1230 lunch

MON ROOM.3 AWeSOME Workshop

1100 AWeSOME.1 Web Services Discovery and Composition
—Chair: Shingo Takada

Document Flow Model: A Formal Notation for Modeling Asynchronous Web
Services Composition
Jingtao Yang, Corina Cirstea, Peter Henderson (Univ. of Southampton, UK)

Realising Personalised Web-Service Composition through Adaptive Replanning
Steffen Higel, David Lewis, Vincent Wade (Trinity College Dublin, Ireland)

Semantic Web Services Discovery in Multi-Ontology Environment
Sasiporn Usanavasin, Shingo Takada (Keio University, Japan), Norihisa Doi (Chuo University, Japan)

1230 lunch

1400 AWeSOMe.2 Security and Semantics — Chairs: Steffen Higel, David Lewis, Vincent Wade

On the application of the Semantic Web Rule Language in the Definition of Policies for System Security Management
Félix J. García Clemente, Gregorio Martínez Pérez, Juan A. Botía Blaya, Antonio F. Gómez Skarmeta (University of Murcia, Spain)

On Secure Framework for Web Services in Untrusted Environment
Sylvia Encheva, Stord/Haugesund (University College, Norway), Sharil Tumin (University of Bergen, Norway)

An Approach for Semantic Query Processing with UDDI
Jim Luo, Bruce Montrose, Myong Kang (Naval Research Laboratory, USA)

1530 coffee

1600 AWeSOMe.3 Agents for Web Service Support — Chairs: Antonio F. Gómez Skarmeta, Juan A. Botía, Félix García Clemente

A multiagent-based Approach for On-The-Fly Web Map Generation
Nafaâ Jabeur, Bernard Moulin (Laval University, Canada)

An Open Service Architecture for Supporting Agents and Services within the Semantic Web
Nicola Dragoni, Mauro Gaspari, Davide Guidi (University of Bologna, Italy)

Semantics of Agent-based service Delegation and Alignment
H. Balsters, G.B. Huitema, N.B. Szirbik (Univ. of Groningen, Netherlands)

1700 close
CAMS Workshop (Part II)
—Chairs: Annika Hinze and George Buchanan

1100 CAMS.4 Location - Chair: Annika Hinze

Context-Aware Negotiation for Reconfigurable Resources with Handheld Devices
Timothy O'Sullivan, Richard Studdert (University College Cork, Ireland)

Location-aware Web Service Architecture using WLAN Positioning
Ulf Rerrer (Paderborn University, Germany)

A light-weight Framework for Location-based Services
W. Schwinger, Ch. Grün, B. Pröll, W. Retschitzegger (Univ. Linz, Austria)

1230 lunch

1400 CAMS.5 Architecture & Models - Chair: George Buchanan

Context Awareness for Music Information Retrieval using JXTA Technology
Hyosook Jung, Seongbin Park (Korea University, Republic of Korea)

A Model of Pervasive Services for Service Composition
Caroline Funk (LMU Munich, Mobile and Distributed Systems Group, Germany)
Christoph Kuhmýnch, Christoph Niedermeier (Siemens AG, Corporate Technology, Germany)

Selection using non symmetric context areas
Diane Lingrand, Stéphane Lavirotte and Jean-Yves Tigli
(I3S, UNSA/CNRS, Sophia Antipolis, France)

Sharing Context Information with Semantic Spaces
Reto Krummenacher, Jacek Kopecký, and Thomas Strang

1530 coffee

1600 Closing discussion - Chairs: Annika Hinze & George Buchanan
MON ROOM.5 MIOS-INTEROP Workshop (Part I)—
Chairs: Antonia Albani, Jan Dietz, Hervé Panetto, Monica Scannapieco

1400 MIOS-INT.1 Service Choreography and Orchestration
—Chairs: Jan Dietz and Antonia Albani

A Hybrid Intermediation Architectural Approach for Integrating
cross-organizational Services
Giannis Verginadis, Panagiotis Gouvas, Gregoris Mentzas
(National Technical University of Athens, Greece)

A Framework Supporting Dynamic Workflow Interoperation
Jaeyong Shim, Myungjae Kwak, and Dongsoo Han
(Information and Communications University, Korea)

A Text Mining Approach to Integrating Business Process Models and
Governing Documents
Jon Espen Ingvaldsen, Jon Atle Gulla, Xiaomeng Su (Norwegian University
of Science and Technology, Norway)
Harald Runneberg (Statoil ASA, Norway)

A Process-driven Inter-organizational Choreography Modeling System
Kwang-Hoon Kim (Kyonggi University, South Korea)

A Petri Net Based Approach For Process Model Driven Deduction Of BPEL Code
Agnes Koschmider and Marco Mevius (University of Karlsruhe, Germany)

From Inter-Organizational Workflows to Process Execution:
Generating BPEL from WS-CDL
Jan Mendling (Vienna Univ. of Economics and Business Administration, Austria)
Michael Hafner (University Of Innsbruck, Austria)

PIT-P2M : ProjectIT Process and Project Metamodel
Alberto Rodrigues da Silva (Instituto Superior Técnico, Portugal),
Paula Ventura Martins (University of Algarve, Portugal)

1530 coffee

1600 MIOS-INT.2 Service Choreography and Orchestration
—Chairs: Antonia Albani, Jan Dietz, Hervé Panetto, Monica Scannapieco

Group work

1800 Discussion (continues on Tuesday)
TUE ROOM.X  SHARED WELCOME AND KEYNOTE SESSION

0845  ODBASE’05 Welcome
0900  KEYNOTE.2 —Chairs: Michael Kifer (University at Stony Brook, USA), Stefano Spaccapietra (EPFL, Switzerland) Erich Neuhold (IPSI, Fraunhofer, Germany) [emeritus]
V.S. Subrahmanian (University of Maryland)
Probabilistic Ontologies: Extraction and Utilization

1000  coffee

TUE ROOM.1  DOA’05

1030  DOA.4A  Mobility (PART I) —Chair: TBA

Automatic Introduction of Mobility for Standard-Based Frameworks
Gregory Haik (Thalès Communications / SC2, France)
Jean-Pierre Briot, Christian Queinnec (Université Pierre et Marie Curie, France)

An Empirical Evaluation of Dynamic Local Adaptation for Distributed Mobile Applications
Pablo Rossi and Caspar Ryan (RMIT University, Australia)

Middleware for distributed context-aware systems
Karen Henricksen, Ted McFadden (CRC for Enterprise Distributed Systems Technology, Australia)
Jadwiga Indulska, Sasitharan Balasubramaniam (The University of Queensland, Australia)

Timely Provisioning of Mobile Services in Critical Pervasive Environments
Filippos Papadopoulos, Apostolos Zarras, Evaggelia Pitoura, Panos Vassiliadis (University of Ioannina, Greece)

1230  lunch
1400  DOA.5  Security and Data Persistence —Chair: Franklin Webber

Evaluation of Three Approaches for CORBA Firewall/NAT Traversal
Antonio Theophilo, Markus Endler, Renato Cerqueira (Catholic University Rio De Janeiro, Brazil)
On the design of access control to prevent sensitive information leakage in distributed object systems: a Colored Petri Net based model
Panagiotis Katsaros (Aristotle University of Thessaloniki, Greece)

Offline Business Objects: Enabling data persistence for distributed desktop applications
Pawel Gruszczynski, Stanislaw Osinski, Andrzej Swedrzynski
(Poznan Supercomputing and Networking Center, Poland)

1530 coffee break
1600 Component Middleware — Chair: Arno Puder
Evaluating Techniques for Dynamic Component Updating
Jaiganesh Balasubramanian, Douglas C. Schmidt, Aniruddha Gokhale, Gan Deng, Jeff Parsons (Vanderbilt University, USA)
Balachandran Natarajan (Veritas Software India Ltd., India)

Two Ways of Implementing Software Connection among Distributed Components
Selma Matougui and Antoine Beugnard (Technopole Brest-Iroise, France)

On the notion of coupling in communication middleware
Lachlan Aldred, Wil M.P. van der Aalst, Marlon Dumas, Arthur H.M. ter Hofstede (Queensland University of Technology, Australia)

1730 10min break
1740 Mobility (PART II) — Chair: TBA
Mobility Management and Communication Support for Nomadic Applications
Marcello Cinque, Domenico Cotroneo (Università degli Studi di Napoli Federico II, Italy), Stefano Russo (Consorzio Interuniversitario Nazionale per l'Informatica, Italy)

Platform-Independent Object Migration in CORBA
Rüdiger Kapitza (University of Erlangen-Nürnberg, Germany)
Holger Schmidt, Franz J. Hauck (University of Ulm, Germany)

TUE ROOM.2 ODBASE’05

1030 Information Integration and Modeling — Chair: Mustafa Jarrar
Inferring Complex Semantic Mappings between Relational Tables and Ontologies from Simple Correspondences
Yuan An (Rutgers University), Alex Borgida (Rutgers University), John Mylopoulos (University of Toronto)

Ontology Transformation and Reasoning for Model-Driven Architecture
Claus Pahl (Dublin City University)
Multidimensional RDF
Manolis Gergatsoulis and Pantelis Lilis (Ionian University)

GeRoMe: A Generic Role Based Metamodel for Model Management
David Kensche, Christoph Quix, Mohamed Amine Chatti, Matthias Jarke
(RWTH Aachen University)

1230 lunch
1400 ODBASE.2 Ontology Construction
—Chair: Ernesto Damiani

Creating ontologies for content representation—the OntoSeed suite
Elena Paslaru Bontas (Free University of Berlin), David Schlange (University of Potsdam), Thomas Schrader (Charite Institute of Pathology)

Fully Automatic Construction of Enterprise Ontologies Using Design Patterns: Initial Method and First Experiences
Eva Blomqvist (Jonkoping University)

Automatic Ontology Extraction from Unstructured Texts
Khurshid Ahmad and Lee Gillam (University of Surrey)

1530 coffee break
1600 ODBASE.3A Information Retrieval and Classification (Part I)
—Chair: Fabio Porto

Biomedical Retrieval: How Can a Thesaurus Help?
Leonie IJzereef, Jaap Kamps, Maarten de Rijke (University of Amsterdam)

Hybrid Model for Semantic Similarity Measurement
Angela Schwering (University of Muenster)

1700 close

TUE ROOM.3 Workshop SWWS-WORM (Part I)

1030 WORM.1 Special Session on Regulatory Ontologies (WORM)
—Chair: Mustafa Jarrar

Building e-laws ontology: New approach
Ahmad Kayed (Applied Science University, Monash University)

Generation of Standardised Rights Expressions from Contracts: An Ontology Approach?
Silvia Llorente, Jaime Delgado, Eva Rodriguez, Ruben Barrio
(Univ. Pompeu Fabra, Spain)
Isabella Longo, Franco Bixio (Associazione dei Fonografici Italiani, Italy)
OPJK into PROTON: legal domain ontology integration into an upper-level ontology
Mercedes Blázquez, Richard Benjamins (iSOCO, Intelligent Software Components S.A., Spain), Atanas Kiryakov (Ontolex Lab, Sirma Group, Bulgaria), Núria Casellas, Pompeu Casanovas, Marta Poblet (Institute of Law and Technology, Universitat Autònoma de Barcelona, Spain)

1200 lunch
1400 SWWS.1 Applications of Semantic Web
—Chair: Elizabeth Chang

Semantic Transformation of Web Services
David Bell, Sergio de Cesare, Mark Lycett (Brunel University, UK)

Modeling Multi-party Web-based Business Collaborations
Lai Xu, Sjaak Brinkkemper (Utrecht University, The Netherlands)

A Framework for Task Retrieval in Task Oriented Service Navigation System
Yusuke Fukazawa, Takefumi Naganuma, Kunihiro Fujii, Shoji Kurakake (NTT DoCoMo, Inc., Japan)

1530 coffee break
1600 SWWS.2 Applications of Semantic Web II
—Chair: David Bell

Ontology-based Searching Framework for Digital Shapes
Riccardo Albertoni (IMATI-CNR, Italy)
Laura Papaleo (University of Genova, Italy)
Martos Pitsakis, George Vasilakis (Informatics and Telematics Institute, Greece)
Francesco Robbiano, Michela Spagnuolo (IMATI-CNR, Italy)

Ontology Metadata Vocabulary and Applications
Jens Hartmann, York Sure, Rudi Studer, Peter Haase (Univ. of Karlsruhe, Germany)
Raul Palma, M. Carmen Suarez-Figueroa, Asuncion Gomez-Perez (Universidad Politecnica de Madrid, Spain)

Realizing Added Value with Semantic Web
Dariusz Kleczek, Tomasz Jaskowski, Rafal Malanij, Eddyta Rowinska, Marcin Wasilewski (Warsaw School of Economics, Poland)

Ontological Foundation for Protein Data Models
Amandeep S. Sidhu, Tharam S. Dillon (Faculty of Information Technology, University of Technology, Australia)
Elizabeth Chang (CBS, Curtin University of Technical University, Australia)

1800 Close
TUE ROOM.4 GADA Workshop (Part I)

1030 GADA.1 Security and Ubiquitous Computing
—Chair: Pilar Herrero

Caching OGSII Grid Service Data to Allow Disconnected State Retrieval
Alastair Hampshire, Chris Greenhalgh (University of Nottingham, UK)

Shelter from the Storm: Building a Safe Archive in a Hostile World
Jon MacLaren, Gabrielle Allen, Chirag Dekate, Dayong Huang, Andrei Hutanu, Chongjie Zhang (Louisiana State University, USA)

An Event Broker Grid with Event Filtering, Aggregation, and Correlation for Wireless Sensor Data
Eiko Yoneki (University of Cambridge Computer Laboratory, UK)

Distributed Authentication in GRID5000
Sébastien Varrette, Franck Leprévost (Université du Luxembourg, CESI-LACS)
Sébastien Georget (INRIA DREAM team, France)
Johan Montagnat (RAINBOW team3, France)
Jean-Louis Roch (Laboratoire ID-IMAG, France)

1230 lunch

1400 GADA.2 Grid Applications —Chair: Alastair Hampshire

Life Science Grid Middleware in A More Dynamic Environment
Milena Radenkovic, Bartosz Wietrzyk (University of Nottingham, UK)

A Grid-aware Implementation for Providing Effective Feedback to On-line Learning Groups
Santi Caballé, Thanasis Daradoumis (Open University of Catalonia, Spain)
Claudi Paniagua, Fatos Xhafa (Polytechnic University of Catalonia, Spain)

1500 session end

1530 coffee

1600 GADA.3 Web Services Approach in the grid
—Chair: María S. Pérez

Coordinated Use of Globus Pre-WS and WS Resource Management Services with GridWay
E. Huedo (CSIC-INTA, Spain)
R. S. Montero, I. M. Llorente (Universidad Complutense, Spain)

Web-Services based Modelling/Optimisation for Engineering Design
Ali Shaikh Ali, Omer F. Rana (Cardiff University, UK)
Ian Parmee, Johnson Abraham, Mark Shackelford (CEMS, University of West of England, UK)
Workflow Management System based on Service Oriented Components for Grid Applications
Ju-Ho Choi, Yong-Won Kwon, So-Hyun Ryu, Chang-Sung Jeong (Korea University, Korea)

1730 close

TUE ROOM 5 MIOS-INTEROP Workshop (Part II) —
Chairs: Antonia Albani, Jan Dietz, Hervé Panetto, Monica Scannapieco

1030 MIOS-INT.3 Service Modeling — Chairs: Jan Dietz and Antonia Albani

Registering a Business Collaboration Model in Multiple Business Environments
Birgit Hofreiter, Christian Huemer (University of Vienna, Austria)

Component Oriented Design and Modeling of Cross-Enterprise Service Processes
Rainer Schmidt (University of Applied Sciences, Germany)

Comparing the Impact of Service-Oriented and Object-Oriented Paradigms on the Business Process Modelling and Structural Properties of Software
Mikhail Perepletchikov, Caspar Ryan, and Keith Frampton (RMIT University, Australia)

The Impact of Software Development Strategies on Project and Structural Software Attributes in SOA
Mikhail Perepletchikov, Caspar Ryan, and Zahir Tari (RMIT University, Australia)

1110 Group work and discussion

1230 lunch

1400 MIOS-INT.4 Interoperability of Networked Enterprise Applications — Chairs: Hervé Panetto and Monica Scannapieco

Access Control Model for Inter-organizational Grid Virtual Organizations
B. Nasser, R. Laborde, A. Benzekri, F. Barrère, M. Kamel (University Paul Sabatier – IRIT/SIERA, France)

Evaluation of Strategic Supply Networks
Antonia Albani (Delft University of Technology, Netherlands), Nikolaus Müßigmann (University of Augsburg, Germany)
Requirements for Secure Logging of Decentralized Cross-organizational Workflow Executions
Andreas Wombacher, Roel Wieringa, Wim Jonker (Univ. of Twente, Netherlands)
Predrag Knezevic (Fraunhofer Gesellschaft, Germany)

Self Modelling Knowledge Networks
Volker Derballa (University of Augsburg, Germany), Antonia Albani (Delft University of Technology, Netherlands)

Using Ontologies for XML Data Cleaning
Diego Milano, Monica Scannapieco, and Tiziana Catarci (Universita degli Studi di Roma “La Sapienza”, Italy)

Interoperability Supported by Enterprise Modelling
Frank Walter Jaekel, Kai Mertins (Fraunhofer IPK, Germany)
Ricardo Chalmeta, Cristina Campos (University of Jaume I, Spain)
Nicolas Perry (Ecole Centrale de Nantes, France)

Applying Patterns for Improving Subcontracting Management
Riikka Ahlgren, Jari Pelttilä, Jouni Markkula (University of Jyväskylä, Finland)

1510 Group Work
1530 coffee
1600 MIOS-INT.5 Interoperability of Networked Enterprises
—Chairs: Antonia Albani, Jan Dietz, Hervé Panetto, Monica Scannapieco

Group Work
1800 Discussion and MIOS-INTEROP workshop closing

TUE DOA + ODBASE + CoopIS Posters Session (day 1 of 3)
1400 posters (for detailed program, see at end)
1730 close
WEDNESDAY NOVEMBER 02

WED  SHARED WELCOME AND KEYNOTE SESSION

0845  CoopIS’05 Welcome

0900  KEYNOTE.3 —Chairs: Mohand-Saïd Hacid
       (Université Claude Bernard Lyon 1, France), John Mylopoulos
       (University of Toronto, Canada), Barbara Pernici (Politecnico
       Di Milano, Italy)

       Stefano Ceri (Dipartimento di Elettronica e Informazione,
       Politecnico di Milano)
       Process Modeling in Web Applications

1000  coffee

WED ROOM.1  DOA’05

1030  DOA.7  Peer-to-peer Computing Architectures
       —Chair: Henrike Schuhart

       Peer-to-peer Distribution Architectures providing Uniform Download Rates
       Marc Schiely, Pascal Felber (University of Neuchâtel, Switzerland)

       JXTA Messaging: Analysis of Feature-Performance Tradeoffs and
       Implications for System Design
       Emir Halepovic (University of Calgary, Canada), Ralph Deters (University of
       Saskatchewan, Canada), Bernard Traversat (Sun Microsystems Inc, USA)

1130  DOA.8  Aspect Oriented Middleware
       —Chair: Mohand-Said Hacid

       An Aspect-Oriented Communication Middleware System
       Marco Tulio de Oliveira Valente, Fabio Tirelo, Diana Campos Leao, Rodrigo
       Palhares (Catholic University of Minas Gerais, Brazil)

       Using AOP to customize a reflective middleware
       Nélvio Cacho and Thaís Batista (Federal University of Rio Grande do Norte, Brazil)

1230  lunch
1400  DOA.9  Web Services and Service-Oriented Architectures
—Chair: Michael C. Jaeger

Developing a Web Service for Distributed Persistent Objects in the Context
of an XML Database Programming Language
Henrike Schuhart, Dominik Pietzsch, Volker Linnemann
(Universität zu Lübeck, Germany)

Comparing service-oriented and distributed object architectures
Sean Baker (IONA Technologies plc, Ireland)
Simon Dobson (UCD Dublin IE, Ireland)

QoS-aware Composition of Web Services: An Evaluation of Selection Algorithms
Michael C. Jaeger and Gero Muehl and Sebastian Golze
(Techn. Universität Berlin, Germany)

1530  coffee break
1600  DOA.10  Multicast and Fault Tolerance
—Chair: Panagiotis Katsaros

Extending the UMIOP Specification for Reliable Multicast in CORBA
Alysson Bessani, Joni da Silva Fraga (Universidade Federal de Santa
Catarina, Brazil), Lau Cheuk Lung (Pontifical Catholic University of Parana,
Brazil)

Integrating the ROMIO and ETF Specifications for Atomic Multicast in CORBA
Daniel Borusch, Lau Cheuk Lung (Pontifical Catholic University of Paraná, Brazil)
Alysson Neves Bessani, Joni da Silva Fraga (Universidade Federal de Santa
Catarina, Brazil)

The Design of Real-Time Fault Detectors
Serge Midonnet (Université de Marne la Vallée, France)

1730  close

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WED Restaurant

1930  CONFERENCE DINNER at the Grecian Bay Hotel

WED ROOM.2  ODBASE’05

1030  ODBASE.4  Query Processing —Chair: Vinay Chaudri

Probabilistic Iterative Duplicate Detection
Patrick Lehti and Peter Fankhauser (Fraunhofer IPSI)

Efficient processing of XPath queries with structured overlay networks
Gleb Skobeltsyn, Manfred Hauswirth, Karl Aberer (EPFL)
Top-k Query Evaluation in Shortcut Networks
Christoph Tempich, Joerg Heizmann (University of Karlsruhe)
Alexander Lüser (University of Technology, Berlin)

Ontology-based Representation and Query of Colour Descriptions from Botanical Documents
Shenghui Wang, Jeff Z. Pan (University of Manchester)

1230 lunch
1400 ODBASE.5 System Verification and Evaluation
- Chair: Pavel Shvaiko

An ontology for mobile agents in the context of formal verification
Paulo Salem, Ana Cristina Vieira de Melo (University of Sao Paolo, Brazil)

Evaluating ontology criteria for requirements in a geographic travel domain
Jonathan Yu, James A. Thom and Audrey Tam (RMIT, Australia)

A self-monitoring system to satisfy data quality requirements
Cinzia Cappiello, Chiara Francalanci, Barbara Pernici

1530 coffee break
1600 ODBASE.3B Information Retrieval and Classification (Part 2)
— Chair: Patrik Lehti

Ontology-based Spatial Query Expansion in Information Retrieval
Gaihua Fu, Christopher B. Jones and Alia I. Abdelmoty (Cardiff University)

Security Ontology for Annotating Resources
Anya Kim, Jim Luo, and Myong Kang (Naval Research Laboratory)

Clustering Web Images by their Associated Texts
Zhiguo Gong (University of Macau)

1700 close

WED Restaurant
1930 CONFERENCE DINNER at the Grecian Bay Hotel

1030 COOPIS.1 Workflow — Chair: Manfred Reichert

Let’s Go All the Way: From Requirements via Colored Workflow Nets to a BPEL Implementation of a New Bank System
W.M.P. van der Aalst (Eindhoven University of Technology, Netherlands)
J.B. Jorgensen, and K.B. Lassen (University of Aarhus, Denmark)
A Service-oriented Workflow Language for Robust Interacting Applications
Surya Nepal, Alan Fekete, Paul Greenfield, Julian Jang, Dean Kuo, Tony Shi
(University of Sydney, Australia)

Balancing Flexibility and Security in Adaptive Process Management Systems
Barbara Weber (Univ. of Innsbruck, Austria), Manfred Reichert (Univ. of Twente, Netherlands), Werner Wild (Evolution Consulting, Austria) and Stefanie Rinderle (University of Ulm, Germany)

Web Process Dynamic Stepped Extension: Pi-calculus-based Model and Inference Experiments
Li Zhang, Zhiwei Yu (Tsinghua University, Beijing, China)

1230 lunch
1400 COOPIS.2 Workflow and Business Processes
Chair: W.M.P. van der Aalst

Enabling Business Process Interoperability Using Contract Workflow Models
Jelena Zdravkovic (University of Gävle, Sweden), Vandana Kabilan
(Stockholm University and Royal Institute of Technology Forum, Sweden)

Resource-Centric Worklist Visualisation
Ross Brown (Queensland University of Technology)
Hye-young Paik (University of New South Wales, Australia)

CoopFlow: a framework for inter-organizational workflow cooperation
Issam Chebbi and Samir Tata (Institut National des Telecommunications, France)

1530 coffee break
1600 COOPIS.3 Mining and Filtering
Chair: Barbara Pernici

Process Mining and Verification of Properties: An Approach based on Temporal Logic
W.M.P. van der Aalst, H.T. de Beer, B.F. van Dongen (Eindhoven University of Technology, The Netherlands)

A Detailed Investigation of Memory Requirements for Publish/Subscribe Filtering Algorithms
Sven Bittner and Annika Hinze (University of Waikato, New Zealand)

Mapping discovery for XML data integration
Zoubida Kedad, Xiaohui Xue (Université de Versailles, France)

1730 close

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WED Restaurant

1930 CONFERENCE DINNER at the Grecian Bay Hotel
1030 GADA.4  **Performance Enhancement in the Grid**  
*Chair: Eduardo Huedo*

*A Load Balance Methodology for Highly Compute-Intensive Applications on Grids Based on Computational Modeling*  
D. R. Martínez, J. L. Albin, J. C. Cabaleiro, T. F. Pena, F. F. Rivera  
(Uuv. Santiago de Compostela, Spain)

*Providing Autonomic Features to a Data Grid*  
Maria S. Perez, Alberto Sanchez, Ramiro Aparicio, Pilar Herrero  
(Universidad Politécnica de Madrid, Spain)  
Manuel Salvadores (IMCS, Imbert Management Consulting Solutions, Spain)

*TCP Performance Enhancement based on Virtual Receive Buffer with PID Control Mechanism*  
Byungchul Park, Hyunseung Choo (Sungkyunkwan University, Korea)

*Computational Grid vs. Parallel Computer for Coarse-grain Parallelization of Neural Networks Training*  
Volodymyr Turchenko (Ternopil State Economic University, Ukraine)

1230 lunch

1400 GADA.5  **Databases on the Grid**  
*Chair: Jon McLaren*

*Object-Oriented Wrapper for Relational Databases in the Data Grid Architecture*  
Kamil Kuliberda, Jacek Wislicki, Radoslaw Adamus, Kazimierz Subieta

*Modelling Object Views in Distributed Query Processing on the Grid*  
Krzysztof Kaczmarski (Warsaw University of Technology, Poland), Piotr Habela, Kazimierz Subieta (Polish-Japanese Institute of Information Technology, Poland), Hanna Kozankiewicz (Polish Academy of Sciences, Poland)

*Optimization of Distributed Queries in Grid via Caching*  
Piotr Cybula (University of Lodz, Poland), Hanna Kozankiewicz (Polish Academy of Sciences, Poland), Krzysztof Stencel (Warsaw Univ., Poland), Kazimierz Subieta (Polish-Japanese Institute of Information Technology, Poland)

1530 coffee
1600  GADA.6  Replication — Chair: Bartosz Wietrzyk

Modelling the √N + ROWA Model Approach inside the WS-ReplicationResource
Manuel Salvadores (IMCS, Imbert Management Consulting Solutions, Spain)
Pilar Herrero, Maria S. Pérez, Alberto Sanchez (Universidad Politécnica de Madrid, Spain)

1630  Panel discussion and closure

1700  End

WED Restaurant

1930  CONFERENCE DINNER at the Grecian Bay Hotel

WED ROOM.5  SWWS (Part II)

1030  SWWS.3  Modeling and Querying Techniques for Semantic Web — Chair: Ernesto Damiani

SWQL - A Query Language for Data Integration based on OWL
Patrick Lehti, Peter Fankhauser (Fraunhofer IPSI, Germany)

Modeling Views for Semantic Web Using Extensible Semantic (XSemantic) Nets
Rajugan, R., Tharam S. Dillon (eXel Lab, Univ. of Technology, Australia)
Elizabeth Chang (CBS, Curtin University of Technology, Australia)
Ling Feng (University of Twente, The Netherlands)

On the Cardinality of Schema Matching
Avigdor Gal (Technion – Israel Institute of Technology)

Basic and Advanced Reputation Ontology
Elizabeth Chang, Farookh Khadeer Hussain (CBS, Curtin University of Technology, Australia)
Tharam S. Dillon (eXel Lab, University of Technology, Australia)

1230  lunch

1400  SWWS.4  Ontologies — Chair: Avigdor Gal

Translating XML Web Data into Ontologies
Yuan An, John Mylopoulos (University of Toronto, Canada)
Self-Tuning Personalized Information Retrieval in an Ontology-Based Framework
Pablo Castells, Miriam Fernandez, David Vallet (Univ. Autonoma de Madrid, Spain)
Phivos Mylonas, Yannis Avrithis (National Technical Univ. of Athens, Greece)

Detecting Ontology Change Operations from Application Data Flows
Paolo Ceravolo, Ernesto Damiani (University of Milan, Italy)

1530 coffee break

1600 SWWS.5 Special Session on Trust -Chair: Tharam S. Dillon

Adding a Peer-to-Peer Trust Layer to Metadata Generators
P. Ceravolo, E. Damiani, M. Viviani (University of Milan, Italy)

Fuzzy Approach to Trust in Service Oriented Architectures
Stefan Schmidt, Robert Steele, Tharam S. Dillon (Univ. of Technology, Australia)
Elizabeth Chang (Curtin University of Technology, Australia)

Trust and Reputation Modeling Language
Elizabeth Chang, Farookh Khadeer Hussain, Patricia Thompson
(CBS, Curtin University of Technology, Australia)
Tharam S. Dillon (eXel Lab, University of Technology, Australia)

1800 Panel Discussion and Close

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WED DOA + ODBASE + CoopIS Posters Session (day 2 of 3)

1400 posters (for detailed program, see at end)
1730 close

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WED Restaurant

1930 CONFERENCE DINNER at the Grecian Bay Hotel
THURSDAY NOVEMBER 03

THU ROOM.X SHARED KEYNOTE SESSION

0900 KEYNOTE.4 — Chair: Robert Meersman (VU Brussels)

Erich Neuhold (Fraunhofer Institute, IPSI, Germany)
Intelligent Web Service - From Web Services to Plug&Play Service Integration

1000 coffee

THU ROOM.1 ODBASE’05

1030 ODBASE.6 Metadata — Chair: Avigdor Gal

Metadata Management in a Multiversion Data Warehouse
Robert Wrembel, Bartosz Bebel (Poznan University of Technology)

Metadata Management for Ad-Hoc InfoWare - A Rescue and Emergency Use Case for Mobile Ad-Hoc Scenarios
Norun Sanderson, Vera Goebel, Ellen Munthe-Kaas (University of Oslo)

Managing Petri Nets in MOF Repositories
Helio Santos, Roberto Barros, Paulo Maciel, Nelson Rosa (Universidade Federal de Pernambuco)

1200 lunch

1400 ODBASE.7 Active Rules and Web Services — Chair: Erich Neuhold

An Ontology- and Resources-Based Approach to Evolution and Reactivity in the Semantic Web
Wolfgang May (Universität Goettingen)
Jose Julio Alferes and Ricardo Amador (Universidade Nova de Lisboa)

Automatic Web Service Composition Based on Graph Network Analysis Metrics
John Gekas, Maria Fasli (University of Essex)

1500 coffee break
1600  ODBASE.8  Short Papers —Chair: Michael Huhns

A Fuzzy Extension of Description Logic ALCH
Baowen Xu, Dazhou Kang, Jianjiang Lu, Yanhui Li (Southeast University)

On the semantics of preferences expressed on an ontology
Rallou Thomopoulos (INRA, UMR IATE, France)

Modeling ontology for Intelligent Systems: Challenges and Strategies
Gang Zhao, Robert Meersman (Vrije Universiteit Brussel)

OWL-Based User Preference and Behavior Routine Ontology for Ubiquitous System
Kim Anh Pham Ngoc

Reasoning on dynamically built Reasoning Space with Ontology modules
Fabio Porto (EPFL)

An Efficient Branch Query Rewriting Algorithm for XML Query Optimization
Hyoseop Shin (Konkak University), Minsoo Lee (Ewha Womans University)

1730  END

THU  ROOM.2  COOPIS’05

1030  COOPIS.4  Petri Nets and Processs Management
—Chair: Annika Hinze

Colored Petri Nets to Verify Extended Event-Driven Process Chains
Kees van Hee, Olivia Oanea and Natalia Sidorova (Eindhoven University of Technology)

Petri net + nested relational calculus = dataflow
Jan Hidders (University of Antwerp, Belgium)
Jacek Sroka, Jerzy Tyszkiewicz (Warsaw University, Poland)
Natalia Kwasnikowska, Jan Van den Bussche (Hasselt University, Belgium)

1130  COOPIS.5  Information Access and Integrity
—Chair: Mohand-Said Hacid

On the controlled evolution of access rules in cooperative information systems
Stefanie Rinderle, Manfred Reichert

Towards a Tolerance-based Technique for Cooperative Answering of Fuzzy Queries against Regular Database
Patrick BOSC, Allel HADJALI and Olivier PIVERT
(IRISA/ENSSAT, France)

1230  lunch
1400  COOPIS.6  Heterogeneity —Chair: Barbara Pernici

Don't Mind Your Vocabulary: Data Sharing Across Heterogeneous Peers
Md. Mehedi Masud, Iluju Kiringa (University of Ottawa, Canada)
Anastasios Kementsietsidis (University of Edinburgh, UK)

On the Usage of Global Document Occurrences in Peer-to-Peer Information Systems
Odysseas Papapetrou, Sebastian Michel, Matthias Bender, Gerhard Weikum
(Max-Planck Institut für Informatik, Germany)

An approach for clustering semantically heterogeneous XML Schemas
Pasquale De Meo, Giovanni Quattrone, Domenico Ursino (Universita Mediterranea di Reggio Calabria, Italy)
Giorgio Terracina (Universita della Calabria, Italy)

1530  coffee break
1600  COOPIS.7  Semantics —Chair: Avigdor Gal

Semantic Schema Matching
Fausto Giunchiglia, Pavel Shvaiko, Mikalai Yatskevich
(University of Trento, Italy)

Unified Semantics of Event Correlation over Time and Space in Hybrid
Network Environments
Eiko Yoneki (University of Cambridge Computer Laboratory, UK)

Filter Merging for Efficient Information Dissemination
Sasu Tarkoma, Jaakko Kangasharju
(Helsinki Institute for Information Technology, Finland)

Semantic-Based Matching and Personalization in FWEB, a Publish/Subscribe-Based Web Infrastructure
Simon Courtenage and Steven Williams (University of Westminster, UK)

1800  close

THU ROOM.3  SeBGIS Workshop (Part I)

1030  SeGIS.1  Measuring, evaluating and enriching semantics
—Chair: Esteban Zimanyi

How to Enrich the Semantics of Geospatial Databases by Properly Expressing
3D Objects in a Conceptual Model
Suzie Larrivee, Yvan Bedard, Jacynthe Pouliot (Laval University, Canada)

Evaluating semantic similarity using GML in Geographic Information Systems
Fernando FERRI, Patrizia GRIFONI (IRPPS, Italy)
Anna FORMICA, Maurizio RAFANELLI (IASI, Italy)
Measuring Semantic Differences Between Conceptualisations: The Portuguese Water Bodies Case—Does education matter?
Paulo Pires, Marco Painho (New University of Lisbon, Portugal)
Werner Kuhn (University of Muenster, Germany)

1200  lunch

1400  SeBGIS.2  Schemata integration —Chair: Werner Kuhn

Spatio-temporal schema integration with validation: a practical approach.
A. Sotnykova, C. Vangenot (Ecole Polytechnique Federale de Lausanne, Switzerland)
N. Cullot (Universite de Bourgogne, France)

Preserving Semantics when Transforming Conceptual Spatio-Temporal Schemas
Esteban Zimanyi and Mohammed Minout (Univ. Libre De Bruxelles, Belgium)

Using Image Schemata to Represent Meaningful Spatial Configurations
Urs-Jakob Rüetschi and Sabine Timpf (University of Zurich, Switzerland)

1530  coffee break

1600  SeBGIS.3  Geovisualization and Spatial Semantics
—Chair: Yvan Bedard

Collaborative geoVisualization: Object-Field Representations with Semantic and Uncertainty
Vlasis Voudouris, Jo Wood, Peter F Fisher (City University London, UK)

Semantics of Collinearity Among Regions
Roland Billen (University of Glasgow, UK)
Eliseo Clementini (University of L’Aquila, Italy)

Automatic Acquisition of Fuzzy Footprints
Steven Schockaert, Martine De Cock, Etienne E. Kerre (Ghent Univ., Belgium)

The Double-Cross and the Generalization Concept as a Basis for Representing and Comparing Shapes of Polylines
Nico Van de Weghe, Guy De Tré and Philippe De Macyer (Ghent Univ, Belgium)
Bart Kuijpers (Hasselt University, Belgium)

1800  close
1030 WOSE.0  Welcome and Introduction  
by Peter Spyns, Aldo de Moor (Vrije Universiteit Brussel, Belgium), Erik Duval (Katholieke Universiteit Leuven, Belgium), Lora Arroyo (Technical University Eindhoven, The Netherlands)

1100 WOSE.1  E-learning & Ontologies  
Towards the integration of Performance Support and e-Learning: Context-aware Product Support Systems  
Nikolaos Lagos, Rossitza M. Setchi, Stefan S. Dimov (Cardiff Univ, UK)

Taking advantage of LOM Semantics for Supporting Lesson Authoring,  
Olivier Motelet and Nelson A. Baloian (Universidad de Chile, Chile)

Repurposing Learning Object Components  
Katrien Verbert (Katholieke Universiteit Leuven, Belgium), Jelena Jovanovic (School of Business Administration, Serbia and Montenegro), Dragan Gasevic (Simon Fraser University, Canada) and Erik Duval (Katholieke Universiteit Leuven, Belgium)

1230 lunch

1400 WOSE.2  Ontology Technology for E-learning  
Interoperable E-Learning Ontologies using Model Correspondences  
Susanne Busse (Technische Universitaet Berlin, Germany)

Towards Ontology-Guided Design of Learning Information Systems  
Aldo de Moor (Vrije Universiteit Brussel, Belgium)

Learning to Generate an Ontology-based Nursing Care Plan by Virtual Collaboration  
Woojin Paik, Eunmi Ham (Konkuk University, Korea)

1530 coffee break

1600 WOMEUVR  Special session on Ontologies and Virtual Reality  
—Chairs: Marie-Laure Reinberger (University of Antwerp, Belgium) & Olga De Troyer (Vrije Univ. Brussel, Belgium)

Generating and Evaluating Triples for Modelling a Virtual Environment  
Marie-Laure Reinberger (University of Antwerp, Belgium) & Peter Spyns (Vrije Universiteit Brussel, Belgium)

An Ontology-Driven Approach for Modeling Behavior in Virtual Environments  
Bram Pellens, Olga De Troyer, Wesley Bille, Frederic Kleinermann, Raul Romero (Vrije Universiteit Brussel, Belgium)

1700 panel discussion and close
THU ROOM.5  ORM’05 Workshop (Part I)

1030 ORM.1  Schema Management —Chair: Terry Halpin

Welcome, and Introduction of Participants

Using abstractions to facilitate management of large ORM models and ontologies
C. Maria Keet (Free University of Bozen-Bolzano, Italy)

Modularization and automatic composition of Object-Role Modeling (ORM) schemes
Mustafa Jarrar (Vrije Universiteit Brussel, Belgium)

Modelling context information with ORM
Karen Henricksen, Jadwiga Indulska, Ted McFadden (University of Queensland, Australia)

1230 lunch

1400 ORM.2  Industry Perspectives —Chair: Erik Proper

Using Object Role Modeling for Effective In-house Decision Support Systems
Eric John Pierson, Necito dela Cruz (Guidant Corporation, USA)

Requirements Engineering with ORM
Ken Evans (AMBO.Biz Ltd, UK)

1530 coffee break

1600 ORM.3  Beyond Data Modeling —Chair: Olga De Troyer

Generating Applications from Object Role Models
Betsy Pepels, Rinus Plasmeijer (Radboud University, The Netherlands)

A Fact-oriented Approach to Activity Modeling
H.A. (Erik) Proper, Stijn Hoppenbrouwers, Theo van der Weide (Radboud University, The Netherlands)

1730 close

THU DOA + ODBASE + CoopIS Posters Session (day 3 of 3)

1400 posters (for detailed program, see at end)
1730 close
FRIDAY NOVEMBER 04

FRIDAY NOVEMBER 04

0900  COOPIS.8  Querying and Content Delivery
       —Chair: Avigdor Gal

A Data Stream Publish/Subscribe Architecture with Self-adapting Queries
Alasdair J G Gray and Werner Nutt (Heriot-Watt University, UK)

Containment of Conjunctive Queries with Arithmetic Expressions
Ali Kiani and Nematollaah Shiri (Concordia University, Canada)

1000  coffee break

1030  COOPIS.9  Web Services, Agents
       —Chair: Mohand-Said Hacid

Multiagent Negotiation for Fair and Unbiased Resource Allocation
Karthik Iyer and Michael Huhns (University of South Carolina, USA)

A Cooperative Model for Wide Area Content Delivery Applications
Rami Rashkovits, Avigdor Gal (Technion Israel Institute of Technology)

QoS-based Service Selection and Ranking with Trust and Reputation Management
Le-Hung Vu, Manfred Hauswirth and Karl Aberer
(Ecole Polytechnique Federale de Lausanne, Switzerland)

An Integrated Alerting Service for Open Digital Libraries: Design and Implementation
Annika Hinze (University of Waikato, New Zealand)
George Buchanan (UCL Interaction Centre, UK)

1230  lunch

1400  COOPIS.10  Security, Integrity and Consistency
      —Chair: Ross Brown

Workflow Data Guards
Johann Eder and Marek Lehmann (University of Klagenfurt, Austria)

Consistency between e3-value Models and Activity Diagrams in a Multi-Perspective Development Method
Zlatko Zlatev and Andreas Wombacher (University of Twente, Netherlands)

Maintaining Global Integrity in Federated Relational Databases using Interactive Component Systems
Christopher Popfinger, Stefan Conrad (University of Duesseldorf, Germany)
1530  coffee break

1600  COOPIS.11  Chain and Collaboration Management
       —Chair: Jan Hidders

RFID Data Management and RFID Information Value Chain Support
with RFID Middleware Platform Implementation
TAE-SU CHEONG, YOUNG-IL KIM (Electronics and Telecommunications
Research Institute, Republic of Korea)

A Collaborative Table Editing Technique Based on Transparent Adaptation
Steven Xia, David Chen (Griffith University, Australia)
David Sun (University of California at Berkeley, USA)
Chengzheng Sun (Nanyang Technological University, Singapore)

Inter-enterprise collaboration management in dynamic business networks
Lea Kutvonen, Janne Metso, Toni Ruokolainen

1730  close

FRI ROOM.2  SeBGIS Workshop (Part II)

0900  SeBGIS.4  Algorithms and data structures
       —Chair: Peter F Fisher

Range and Nearest Neighbor Query Processing for Mobile Clients
KwangJin Park, MoonBae Song, Ki-Sik Kong, Chong-Sun Hwang, Kwang-
Sik Chung, and SoonYoung Jung (Korea University, Korea)

An Efficient Trajectory Index Structure for Moving Objects in Location-
based Services
Jae-Woo Chang, Jung-Ho Um (Chonbuk National University, Korea)
Wang-Chien Lee (Pennsylvania State University, USA)

1030  Coffee

1100  SeBGIS.5  Systems and tools —Chair: Emmanuel Stefanakis

MECOSIG adapted to the design of distributed GIS
Fabien Pasquasy, François Laplanche, Jean-Christophe Sainte, and Jean-Paul
Donnay (University of Liege, Belgium)

The emerge of Semantic Geoportals
Athanasis Nikolaos, Kalabokidis Kostas, Vaitis Michail, Soulakellis Nikolaos
(University of the Aegean, Greece)

Ontology assisted decision making – a case study in trip planning for tourism
Eleni Tomai, Maria Spanaki, and Marinos Kavouras (National Technical
University of Athens, Greece
Poulicos Prastacos (Foundation of Research and Technology, Greece)

1200  lunch

1400  SeBGIS.6  Discussion (round table) —Chair: Esteban Zimanyi

1530  coffee break

FRI  ROOM.3  ORM’05 Workshop (Part II)

0900  ORM.4  Future Directions —Chair: Robert Meersman

ORM 2
Terry Halpin (Neumont University, USA)

A World Ontology Specification Language
Jan L.G. Dietz (Delft University of Technology, The Netherlands)

1000  Coffee
1030  ORM.5  Applications —Chair: Theo van Der Weide

Using ORM to model Web Systems
Olga De Troyer, Sven Casteleyn, Peter Plessers (VU Brussel, Belgium)

Object Role Modelling for Ontology Engineering in the DOGMA framework
Peter Spyns (Vrije Universiteit Brussel, Belgium)

1130  lunch
1400  ORM.6  Formal Underpinnings —Chair: Jan Dietz

Fact Calculus: Using ORM and Lisa-D to Reason about Domains
Stijn Hoppenbrouwers, H. A. (Erik) Proper, Theo van der Weide (Radboud University, The Netherlands)

Schema Equivalence as a counting problem
H. A. (Erik) Proper, Theo van der Weide (Radboud University, Netherlands)

1530  coffee break
1600  ORM.7  Panel Session

Panelists: Terry Halpin, Robert Meersman, Theo van der Weide, (4th panelist TBA)

1730  close
Appendix: List of papers presented as posters
(Hotel Lobby, TUE/WED/THU 1400-1730)

DOA posters

Survivability Management: A Case Study of Survivable Distributed Information System Management
Partha Pal, Franklin Webber et al.

A Generic Approach to Dependability in Overlay Networks
Barry Porter and Geoff Coulson (Lancaster University, UK)

An XML-based Cross-Language Framework
A. Puder (San Francisco State University, USA)

Software Design of Railway Electronic Interlocking System based on Real-Time Object-Oriented Modeling Technique
Jong-Sun Kim (Korea University, Korea)

Flexible and Maintainable Contents Activities in Ubiquitous Environment
Kazutaka Matsuzaki, Shinich Honiden (University of Tokyo, Japan)
Nobukazu Yoshioka (National Institute of Informatics, Japan)

Using Model-Driven and Aspect-Oriented Development to Support End-User Quality of Service
David Durand, Christophe Logé (Laria UPJV, France)

ODBASE posters

Ontology Based Negotiation Case Search System for the Resolution of Exceptions in Collaborative Production Planning
Chang Ouk Kim, Young Ho Cho, Jung Uk Yoon, Choon Jong Kwak, Yoon ho Seo

Enhanced workflow models as a tool for judicial practitioners
Jörn Freiheit, Susanne Münch, Hendrik Schöttle, Grozdana Sijanski, Fabrice Zangl

Semantics of Information Systems Outsourcing
H. Balsters. G.B. Huitema

Integration of Heterogeneous Knowledge Sources in CALO Query Manager
Jose-Luis Ambite, Vinay K. Chaudhri, Richard Fikes, Jessica Jenkins, Sunil Mishra2, Maria Muslea, Tomas Uribe, Guizhen Yang

Middleware Architecture for Context Knowledge Discovery in Ubiquitous Computing
Kim Anh Pham Ngoc

Ontology-based Data Integration for Relational Databases
Dejing Dou and Paea LePendu
CoopIS posters

Enhancing Project Management for Periodic Data Production Management
Anja Schanzenberger, Thomas Kirsche (GfK Marketing Services, Germany)
Dave R. Lawrence (Middlesex University, UK)

Cooperating Services in a Mobile Tourist Information System
Annika Hinze (University of Dortmund, Germany)
George Buchanan (University College London, UK)

Checking Workflow Schemas with Time Constraints using Timed Automata
Elisabetta De Maria, Angelo Montanari, Marco Zantoni
(Universita di Udine, Italy)

Cooperation between electric utility IT systems: Making data and applications work together
Claus Vetter, Thomas Werner
(ABB Switzerland Ltd., Corporate Research, Switzerland)

Adapting Rigidly Specified Workflow in the Absence of Detailed Ontology
Gregory Craske, Caspar Ryan (RMIT University, Australia)

Modelling and Streaming Spatiotemporal Audio data
T. Heimrich, K. Reichelt, H. Rusch, K. Sattler, T. Schröder (Technical Univ. of Ilmenau, Germany)
K. Reichelt (Fraunhofer Institute for Digital Media Technology IDMT, Germany)