

# SUNDAY 29 Oct

## ROOM.1 OTM Academy (day 1)

- 11:00-11:30 OTM Academy.1: **Opening**  
Chair: Antonia Albani, Gábor Nagypál, Johannes Maria Zaha
- 11:30-12:30 OTM Academy.2: **Invited talk: The journey of a doctoral student**  
Jan L.G. Dietz (Delft University of Technology, Netherlands)
- 12:30-14:00 lunch
- 14:00-16:00 OTM Academy.3: **Enterprise Systems I**  
Chair: Antonia Albani

*Multidimensional effort prediction for ERP system implementation*  
Torben Hansen (German Research Center for Artificial Intelligence)

*A Decision-Making Oriented Model for Corporate Mobile Business Applications*  
Daniel Simonovich (Reutlingen University, Germany)

16:00-16:30 coffee

- 16:30-17:30 OTM Academy.4: **Enterprise Systems II**  
Chair: Gábor Nagypál

*Applying Architecture and Ontology to the Splitting and Allying of Enterprises: Problem Definition and Research Approach*  
Martin Op't Land (Delft University of Technology, Netherlands)

19:00-23:00 Surprise Event

## ROOM.2 AWESOME

- 09:00-10:30 AWeSOMe.1: **Invited Talk**  
Chair: Pilar Herrero

*3-Level Service Composition and Cashew: A Model for Orchestration and Choreography in Semantic Web Services*  
Barry Norton (Open University, Milton Keynes, UK)

10:30-11:00 Coffee

- 11:00-12:30 AWeSOMe.2: **Combining Agent and Web Service Technology**  
Chair: Barry Norton

*Learning from an Active Participation in the Battlefield: A New Web Service Human-based Approach*  
Mauricio Paletta (Universidad Nacional Experimental de Guayana, Venezuela), Pilar Herrero (Universidad Politécnica de Madrid, Spain)

*WS-AMBLE: Web Service Multi-Agent Architecture to Manage Awareness in Collaborative Grid Environments*

Jose Luis Bosque (Universidad Rey Juan Carlos, Spain),

Pilar Herrero, Manuel Salvadores, María S. Pérez (Universidad Politécnica de Madrid, Spain)

*An Agent System for Automated Web Service Composition & Invocation*

In-Cheol Kim, Hoon Jin (Kyonggi University, South Korea)

12:30-14:00 lunch

14:00-15:30 **AWeSOMe.3: Web Services in E-Commerce & Business**

Chair: José Luis Bosque

*An Auction-based Semantic Service Discovery Model for E-commerce Applications*

Vedran Podobnik, Gordan Jezic (University of Zagreb, Croatia)

Krunoslav Trzec (Ericsson Nikola Tesla, Croatia)

*Implementation of Business Process Requiring User Interaction*

Guillermo López (Aldebarán Tecnologías de la Información, Spain)

Valeria de Castro, Esperanza Marcos (Universidad Rey Juan Carlos, Spain)

*A Petri Net Based Approach for Reliability Prediction of Web Services*

Duhang Zhong, Zhichang Qi (National University of Defence Technology, China)

15:30-16:00 Coffee

16:00-17:30 **AWeSOMe.4: Modeling and Re-using Ontologies**

Chair: Pilar Herrero

*Facilitating Ontology (Re)use by Means of a Categorization Framework*

Peter De Baer, Koen Kerremans, Rita Temmerman (Erasmushogeschool Brussel, Belgium)

*Agent-Grid Integration Ontology*

Frederic Duvert, Clement Jonquet, Pascal Dugenie, Stefano A. Cerri (LIRMM, CNRS & University Montpellier 2, France)

## **SUN ROOM.3 K SINBIT**

10:30-11:00 coffee

11:00-12:30 session 1: **Bioinformatics Ontologies, Terminologies and Knowledge Bases**

Chair: Maja Hadzic

*Suggested Ontology for Pharmacogenomics (SO-Pharm): modular construction and first validation*

Adrien Coulet (KIKA Medical & LORIA, France)

Malika Smaïl-Tabbone, Amedeo Napoli, Marie-Dominique Devignes (LORIA, France)

*Methodologically Designing a Hierarchically Organized Concept-Based Terminology Database for the Medical Domain of Pneumonia*

Antonio Vaquero, Francisco Alvarez (Universidad Complutense de Madrid, Spain)

Fernando Saenz (Universidad Autónoma de Sinaloa, México)

Manuel de Buenaza (Universidad Europea de Madrid, Spain)

*A proposal for a gene function wiki*

Robert Hoehndorf (Max-Planck-Institute for Evolutionary Anthropology & Institute for Informatics, University of Leipzig, Germany); Kay Pruefer (Max-Planck-Institute for Evolutionary Anthropology, Germany); Michael Backhaus (Institute for Medical Informatics, University of Leipzig, Max-Planck-Institute for Evolutionary Anthropology, Germany); Heinrich Herre (Institute for Medical Informatics & Institute for Informatics, University of Leipzig, Germany); Janet Kelso (Max-Planck-Institute for Evolutionary Anthropology, Germany); Frank Loebe (Institute for Medical Informatics & Institute for Informatics, University of Leipzig, Germany); Johann Visagie (Max-Planck-Institute for Evolutionary Anthropology, Germany)

12:30-14:00 lunch

14:00-15:30 session 2: **Use of Ontologies in Bioinformatics**

Chair: Arek Kasprzyk

*Using semantic web tools to integrate experimental measurement data on our own terms*

M. Scott Marshall (Integrative Bioinformatics Unit, University of Amsterdam), Lennart Post (Integrative Bioinformatics Unit & Nuclear Organisation Group, University of Amsterdam), Marco Roos, Timo M. Breit (Integrative Bioinformatics Unit, University of Amsterdam)

*Ontology Guided Data Integration for Computational Prioritization of Disease Genes*

Bert Coessens (Katholieke Universiteit Leuven, Belgium); Stijn Cristiaens, Ruben Verlinden (STARLab, Vrije Universiteit Brussel, Belgium); Yves Moreau (Katholieke Universiteit Leuven, Belgium); Robert Meersman (STARLab, Vrije Universiteit Brussel, Belgium); Bart De Moor (Katholieke Universiteit Leuven, Belgium)

*Bringing Together Structured and Unstructured Sources: the OUMSUIS Approach*

Gayo Diallo, Michel Simonet, Ana Simonet (Laboratoire TIMC-IMAG, Fac De Medecine, France)

15:30-16:00 coffee

16:00-18:00 (possibly later) session 3: **Bioinformatics Data Manipulation, Integration and Associated Tools** - Chair: Yves Moreau

*Reactome - a knowledgebase of biological pathways*

Esther Schmidt, Ewan Birney, David Croft, Bijay Jassal, Bernard de Bono, Imre Vastrik (European Bioinformatics Institute "EMBL-EBI", UK), Peter D'Eustachio, Marc Gillespie, Gopal Gopinath, Lisa Matthews, Lincoln Stein, Guanming Wu (Cold Spring Harbor Laboratory, USA), Suzanna Lewis (Department of Molecular and Cell Biology, University of California Berkeley, USA)

*Exploitation of Structural Similarity in Semi-structured Bioinformatics Data for Efficient Storage Construction*

Jongil Jeong, Dongil Shin, Dongkyoo Shin (Sejong University, Korea)

*Modeling and storing scientific protocols*

Natalia Kwasnikowska (Hasselt University and Transnational University of Limburg, Belgium)  
Yi Chen, Zoe Lacroix (Arizona State University, USA)

*A knuckles-and-nodes approach to the integration of microbiological resource data*

Bart Van Brabant, Peter Dawyndt, Bernard De Baets, Paul De Vos (Ghent University, Belgium)

## **SUN ROOM.4 MONET**

09:00-10:30 Session 1: **Social Networks** – Chair: Arianna D’Ulizia

*Exploring Social Context with the Wireless Rope*

Tom Nicolai (Universitat Bremen, Germany); Eiko Yoneki (University of Cambridge, UK); Nils Behrens, Holger Kenn (Universitat Bremen, Germany)

*Extending Social Networks with Implicit Human-Human Interaction*

Tim Clerckx, Geert Houben, Kris Luyten, Karin Coninx (Hasselt University, Belgium)

*A Classification of Trust Systems*

Sebastian Ries, Jussi Kangasharju, Max Muhlhauser (Technical University of Darmstadt, Germany)

10:30-11:00 coffee

11:00-12:30 session 2: **Studies and Methodologies for Mobile and Networking Technologies**  
Chair: Maurizio Rafanelli

*Solving ambiguities for sketch-based interaction in mobile environments*

Danilo Avola, Maria Chiara Caschera, Patrizia Grifoni (IRPPS-CNR, Italy)

*Supporting mobile activities in a shared semantic ambient.*

A. Celentano, F. Pittarello (Università Ca’ Foscari di Venezia, Italy)

*Cultural Interface Design: Global Colors Study*

Irina Kondratova, Ilia Goldfarb (Institute for Information Technology – NRC, Canada)

12:30-14:00 lunch

14:00-15:30 session 3: **Mobile and Networking Technologies in Different Context**  
Chair: Patrizia Grifoni

*Multimodal Interactive Systems to support Networked Human Work*

Giuseppe Fresta (ISTI-CNR, Pisa, Italy), Andrea Marcante (ITC-CNR, Milan, Italy), Piero Mussio (Università degli Studi di Milano, Italy), Elisabetta Oliveri (ITC-CNR, Milan, Italy), Marco Padula (ITC-CNR, Milan, Italy)

*SIAPAS: A Case Study on the Use of a GPS-Based Parking System*

Gonzalo Mendez, Pilar Herrero, Ramon Valladares (Universidad Complutense de Madrid, Spain)

*Mobile Social Software for Cultural Heritage Management*

Yiwei Cao, Satish Srirama, Mohamed Amine Chatti, Ralf Klamma (RWTH Aachen University, Germany)

15:30-16:00 coffee

16:00-18:00 session 4: **Architecture and Middleware**  
Chair: Fernando Ferri

*Ubiquitous Location Based Service*

Jae-Chul Kim, Hae-Wook Heo, Jai-Ho Lee, Jong-Hyun Park (Electronics and Telecommunications Research Institute, Korea)

*Multimodal architectures: issues and experiences*

Ciro Autiero, Giovanni Frattini, Giuseppe Leone, Vladimiro Scotto di Carlo, Luigi Romano, Pierpaolo Petriccione, Gianluca Supino (Atos Origin S.p.A., Italy)

*MobiSoft: An Agent-based Middleware for Social-mobile Applications*

Steffen Kern (Friedrich Schiller University, Germany), Peter Braun (Leutragraben, Germany), Wilhelm Rossak (Friedrich Schiller University, Germany)

*Innovative healthcare services for nomadic users*

Marcello Melgara, L. Romano, F. Rocca, A. Sanna, D. Marino, R. Serafin (Atos Origin S.p.A., Italy)

**SUN ROOM.7 SEBGIS (day 1/2)**

09:00-10:30 Session 1: **GIS Integration & GRID**  
Chair: Bénédicte Bucher

*Matching schemas for geographical information systems using semantic information*

Christoph Quix, Lemonia Ragia, Linlin Cai, Tian Gan  
(RWTH Aachen University, Germany)

*Towards a context ontology for geospatial data integration*

Damires Souza, Ana Carolina Salgado, Patricia Tedesco  
(Universidade Federal de Pernambuco, Brazil)

*Spatial data access patterns in semantic grid environment*

Vikram Sorathia, Anutosh Maitra  
(Dhirubhai Ambani Institute of Information & Communication Technology, India)

10:30-11:00 Coffee

11:00-12:30 Session 2: **Spatial Data Warehouses**  
Chair: Robert Laurini

*GeWolap: A web based spatial OLAP proposal*

Sandro Bimonte, Pascal Wehrle, Anne Tchounikine, Maryvonne Miquel  
(Institut National des Sciences Appliquées, France)

*Affordable web based spatio-temporal applications for ad-hoc decisions*

Vera Hernández Ernst  
(Fraunhofer Institute AIS, Germany)

*Requirements specification and conceptual modeling for spatial data warehouses*

Elzbieta Malinowski, Esteban Zimányi  
(Université Libre de Bruxelles, Belgium)

12:30-14:00 Lunch

14:00-15:30 Session 3 (**Invited keynote speaker**)

15:30-16:00 Coffee

16:00-17:30    Session 4: **Spatio-Temporal GIS**  
Chair: Thérèse Libourel

*A classification of spatio-temporal entities with respect to their location in space-time*  
Thomas Bittner (State University of New York at Buffalo, USA)

*Efficient storage of interactions between multiple moving point objects*  
Nico Van de Weghe (Ghent University, Belgium), Frank Witlox (Ghent University, Belgium)  
Anthony G. Cohn (University of Leeds, UK), Tijs Neutens (Ghent University, Belgium)  
Philippe De Maeyer (Ghent University, Belgium)

*Implementing conceptual spatio-temporal schemas in object-relational DBMSs*  
Esteban Zimányi, Mohammed Minout (Université Libre de Bruxelles, Belgium)

## **MONDAY 30 Oct**

**MON**            **REGISTRATION DESK**  
08:00-09:00    OTM registration

**MON**            **SHARED WELCOME AND KEYNOTE SESSION**  
09:00-09:30    OTM Opening, DOA Opening by General & PC Chairs  
09:30-10:30    DOA'06 KEYNOTE:

**Alois Ferscha (Johannes Kepler Universitat, Linz)**  
*“Everyobjects in the Pervasive Computing Landscape”*

### **MON ROOM.1            OTM Academy (day 2/2)**

08:00-09:00    Registration  
09:00-10:30    OTM Opening, DOA Opening, Keynote & coffee

10:30-12:30    session 1: **System Development I** - Chair: Johannes Maria Zaha

*Profile-Based Online Data Delivery*  
Haggai Roitman (Technion - Israel Institute of Technology, Israel)

*An Incremental Approach to enhance the accuracy of Internet Routing*  
Ines Feki (France Telecom R&D, France)

12:30-14:00    lunch

14:00-16:00 session 2: **System Development II** - Chair: Gábor Nagypál

*Ontology-based Change Management of Composite Services*

Linda Terlouw (Delft University of Technology/Ordina, System Development and Integration Nieuwegein, The Netherlands)

*Research on Ontology-Driven Information Retrieval*

Stein L. Tomassen (Norwegian University of Technology and Science, Norway)

16:00-16:30 coffee

16:30-17:30 session 3: **Closing**

*Practical hints for the doctoral thesis*

Jan L.G. Dietz

## **MON ROOM.2 SEBGIS (day 2/2)**

08:00-09:00 Registration

09:00-10:30 OTM Opening, DOA Opening, Keynote & coffee

10:30-12:30 Session 1: **Semantic Similarity** - Chair: Elzbieta Malinowski

*A semantic similarity model for mapping between evolving geospatial data cubes*

Mohamed Bakillah, Mir Abolfazl Mostafavi, Yvan Bédard (Université Laval, Canada)

*Query approximation by semantic similarity in GeoPQL*

Fernando Ferri (IRPPS-CNR, Italy), Anna Formica (IASI-CNR, Italy), Patrizia Grifoni (IRPPS-CNR, Italy), Maurizio Rafanelli (IASI-CNR, Italy)

*Sim-DL: Towards a similarity measurement theory for Description Logics in GIScience*

Krzysztof Janowicz (University of Muenster, Germany)

12:30-14:00 Lunch

14:00-15:30 Session 1: **Enhancing Usability** - Chair: Fernando Ferri

*A primer of geographic databases based on chorems*

Robert Laurini, Françoise Milleret-Raffort, Karla Lopez

(Institut National des Sciences Appliquées, France)

*A service to customize the structure of a geographic dataset*

Sandrine Balley, Bénédicte Bucher (Institut Géographique National, France), Thérèse Libourel (Laboratoire d'Informatique, de Robotique et de Microélectronique de Montpellier, France)

*Using semantic approach for a cataloguing service*

Paul Boisson, Stéphane Clerc, Jean Christophe Desconnets (Institut de Recherche pour le Développement, France) ; Thérèse Libourel (Laboratoire d'Informatique, de Robotique et de Microélectronique de Montpellier, France)

15:30-16:00 Coffee

16:00-17:30 Session 4: **Panel discussion (round table)**

Chair: Esteban Zimányi

**MON ROOM.3**      **RDDS**

08:00-09:00    registration  
09:00-10:30    OTM Opening, DOA Opening, Keynote & coffee

10:30-12:30    Session 1: **P2P** - Chair: Pascal Felber (Université de Neuchâtel)

*Core Persistence in Peer-to-Peer Systems: Relating Size to Lifetime*

Vincent Gramoli, Anne-Marie Kermarrec, Achour Mostefaoui, Michel Raynal, and Bruno Sericola (IRISA, Université de Rennes 1 and INRIA, France)

*Implementing Chord for HP2P Network*

Yang Cao, Zhenhua Duan, Jian-Jun Qi, Zhuo Peng, and Ertao Lv (Xidian University, China)

*A Generic Self-Repair Approach for Overlays*

Barry Porter, Geo Coulson, and François Taïani (Lancaster University, UK)

*Providing Reliable IPv6 Access Service based on P2P Overlay Network*

Xiaoxiang Leng, Jun Bi, and Miao Zhang (Tsinghua University, China)

12:30-14:00    Lunch

14:00-15:30    Session 2: **Distributed Algorithms** - Chair: Brian Shand (University of Cambridge)

*Adaptive Voting for Balancing Data Integrity with Availability*

Johannes Osrael, Lorenz Frohofer, Matthias Gladt and Karl M. Goeschka (Vienna University of Technology, Austria)

*Efficient Epidemic Multicast in Heterogeneous Networks*

José Pereira, Rui Oliveira, and Luís Rodrigues (University of Minho, University of Lisbon, Portugal)

*Decentralized resources management for grid*

Thibault Bernard, Alain Bui, Olivier Flauzac, and Cyril Rabat (Université de Reims Champagne-Ardenne, France)

15:30-16:00    Coffee

16:00-18:00    Session 3: **Reliability Evaluation** - Chair: Eiko Yoneki (University of Cambridge)

*Reliability Evaluation of Group Service Providers in Mobile Ad-Hoc Networks*

Joos-Hendrik Böse and Andreas Thaler (Freie Universität Berlin, Germany)

*Traceability and Timeliness in Messaging Middleware*

Brian Shand and Jem Rashbass (University of Cambridge, UK)

*Overview of the Reliability Aspects in the Publish/Subscribe Middleware*

Bogumil Zieba (Thales Nederland B.V., Netherlands)

*Transaction Manager Failover: A Case Study Using JBOSS Application Server*

A. I. Kistijantoro, G. Morgan, and S. K. Shrivastava (Newcastle University, UK)

18:00    **Wrap-up**

**MON ROOM.4**      **IS'06: Information Security (day 1/3)**

08:00-09:00    registration  
09:00-10:30    OTM Opening, DOA Opening, Keynote & coffee

10:30-12:30    Session 1: **Multimedia Security** - Chair: TBA

*An Implementation of a Trusted and Secure DRM Architecture*  
Víctor Torres, Jaime Delgado and Silvia Llorente

*Using Image Steganography for Decryptor Distribution*  
T Morkel, JHP Eloff, MS Olivier

*An Efficient Dispute Resolving Method for Digital Images*  
Yunho Lee and and Seungjoo Kim and Dongho Won

*Use of SAML for Single Sign-on Access to Multimedia Contents in a Peer-to-Peer Network*  
Rubén Barrio, Xavier Perramon, Jaime Delgado

12:30-14:00    lunch  
14:00-15:30    Session 2: **RFID Security** - Chair: TBA

*EMAP: An Efficient Mutual Authentication Protocol for Low-cost RFID Tags*  
Pedro Peris-Lopez, Julio Cesar Hernandez-Castro, Juan M. Estevez-Tapiador, and Arturo Ribagorda

*Secure EPCglobal Class-1 Gen-2 RFID System Against Security and Privacy Problems*  
Kyoung Hyun Kim, Eun Young Choi, Su Mi Lee, and Dong Hoon Lee

*A Case Against Currently Used Hash Functions in RFID Protocols*  
Martin Feldhofer and Christian Rechberger

15:30-16:00    coffee  
16:00-18:00    Session 3: **Network Security** - Chair: TBA

*An Efficient ID-based Delegation Network*  
Taek-Young Youn, Young-Ho Park, Chang Han Kim and Jongin Lim

*Enabling Practical IPsec Authentication for the Internet*  
Pedro J. Muñoz Merino, Alberto García Martínez, Mario Muñoz Organero, Carlos Delgado Kloos

*Preamble Encryption Mechanism for Enhanced Privacy in Ethernet Passive Optical Networks*  
Pedro Inácio; Marek Hajduczenia; Mário M. Freire; Henrique J. A. da Silva; Paulo P. Monteiro

*Protection of Network Security Components based on a Linux Enhanced Module*  
Joaquin Garcia-Alfaro, Sergio Castillo, Jordi Castella-Roca, and Guillermo Navarro

**MON ROOM.5 PerSys (day 1/2)**

08:00-09:00 Registration

09:00-10:30 OTM Opening, DOA Opening, Keynote & coffee

10:30-12:30 **PERSYS.1: PerSys Keynote: Pervasive Systems, Valerie Issarny**  
Chair: Roy Campbell

**PERSYS.2: Infrastructure for Pervasive Systems**  
Chair: Skevos Evripidou

*Live and Heterogeneous Migration of Execution Environments: a Position Paper*  
Nicolas Geoffray, Gael Thomas, Bertil Folliot (Laboratoire d'Informatique de Paris 6, France)

*A Comparative Study between Soft System Bus and Traditional Middlewares*  
Mohammad Reza Selim, Takumi Endo, Yuichi Goto, and Jingde Cheng  
(Department of Information and Computer Sciences Saitama University)

12:30-14:00 Lunch

14:00-15:30 **PERSYS.3: Service Discovery and Personalization** - Chair: Valerie Issarny

*A Semantic Location Service for Pervasive Grids*  
Antonio Coronato, Massimo Esposito and Giuseppe De Pietro (ICAR-CNR, Italy)

*A pragmatic and pervasive methodology to web service discovery*  
Electra Tamani and Paraskevas Evripidou (University of Cyprus)

*Mobile User Personalization with Dynamic Profiles: Time and Activity*  
Christoforos Panayiotou, George Samaras, (University of Cyprus)

15:30-16:00 Coffee

16:00-18:00 **PERSYS.4: Pervasive Environments** - Chair: Michael O'Grady

*Rethinking the Design of Enriched Environments.*  
Felipe Aguilera, Andrés Neyem, Rosa A. Alarcon, Luis A. Guerrero, César A. Collazos  
(Universidad de Chile)

*The eHome Configurator Tool Suite*  
Ulrich Norbistrath, Christof Mosler, and Ibrahim Armac (RWTH Aachen University, Germany)

*Mobile Phone + RFID Technology = New Mobile Convergence toward Ubiquitous Computing Environment.*  
Taesu Cheong, Marie Kim  
(Electronics and Telecommunications Research Institute, Republic of Korea)

*Clicky: Input in Pervasive Systems*  
Andrew Weiler, Jeff Naisbitt, Roy Campell (University of Illinois at Urbana-Champaign)

## TUESDAY 31 Oct

TUE REGISTRATION DESK

08:00-09:00 OTM registration

TUE SHARED WELCOME AND KEYNOTE SESSION

09:00-09:30 ODBASE Opening by General & PC Chairs

09:30-10:30 ODBASE'06 KEYNOTE

**Marie-Christine Rousset (University of Grenoble)**

*“SomeWhere: a scalable peer-to-peer infrastructure for querying distributed ontologies”*

### TUE ROOM.X IS'06: Information Security (day 2/3)

08:00-09:00 registration

09:00-10:30 ODBASE Opening, Keynote & coffee

10:30-12:30 Session 1: **Cryptographic Algorithms and Protocols** - Chair: TBA

*On the Existence of Related-Key Oracles in Cryptosystems based on Block Ciphers*  
Ermaliza Razali, Raphael Chung Wei Phan

*A New Key Generation Algorithms for the XTR Cryptosystem*  
Maciej Grzeskowiak

*Public-Key Encryption From ID-based Encryption Without One-Time Signature*  
Chik How Tan

*Solving Bao's Colluding Attack in Wang's Fair Payment Protocol*  
M. Payeras-Capellà, J.L. Ferrer-Gomila, L. Huguet-Rotger

12:30-14:00 lunch

14:00-15:30 Session 2: **Biometrics for Security** - Chair: TBA

*An Efficient Algorithm for FingerCode-Based Biometric Identification*  
Kwok-Yan Lam, Hongwei Sun

*Robustness of Biometric Gait Authentication Against Impersonation Attack*  
Davronzhon Gafurov, Einar Snekkenes, Tor Erik Buvarp

*From Features Extraction to Strong Security in Mobile Environment : A New Hybrid System*  
S.Cauchie, T.Brouard, H.Cardot

15:30-16:00 coffee

16:00-18:00 Session 3: **Access Control and Smart Card Technology** - Chair: TBA

*Improving the Dynamic ID-based Remote Mutual Authentication Scheme*

Eun-Jun Yoon and Kee-Young Yoo

*Security Enhancement of a Remote User Authentication Scheme Using Smart Cards*

Youngsook Lee, Junghyun Nam, Dongho Won

*Information Leakage and Capability Forgery in a Capability-Based Operating System Kernel*

Dan Mossop and Ronald Pose

*Reverse Engineering of Embedded Software Using Syntactic Pattern*

Mike Fournigault and Pierre-Yvan Liardet and Yannick Tégliá and Alain Trémeau and Frédérique Robert-Inacio

**TUE ROOM.X PerSys (day 2/2)**

08:00-09:00 Registration

09:00-10:30 ODBASE Opening, Keynote & coffee

10:30-12:30 PERSYS.5: **Panel discussion: Will Pervasive Computing Disappear**  
- Chair: Roy Campbell

12:30-14:00 Lunch

14:00-15:30 PERSYS.6: **Security and Privacy** - Chair: Rosa A. Alcaron

*A User Centric Privacy Framework for Pervasive Environments*

Susana Alcalde-Bagues, Andreas Zeidler, Carlos Fernandez-Valdivielso, Ignacio R. Matias  
(University of Navarra, Spain)

*An XML-Based Security Architecture for Integrating. Single Sign-On and Rule-Based Access Control in Mobile and Ubiquitous Web Environments*

Jongil Jeong, Dongil Shin, Dongkyoo Shin (Sejong University, Korea)

*Architecture Framework for Device Single Sign On*

Appadodharana Chandershekarapuram, Dimitrios Vogiatzis, Spyridon Vassilaras and Gregory S. Yovanof (Athens Information Technology -AIT, Greece)

15:30-16:00 Coffee

16:00-17:30 PERSYS.7: **Wireless and Sensor Networks** - Chair: Christoforos Panayiotou

*Applying the Effective Distance to Location-Dependent Data*

JeHyok Ryu, Ugur Cetintemel (Brown University, USA)

*Cluster Formation Algorithm in Wireless Sensor*

Kyungjun kim

*Scalable Context Simulation for Mobile Applications*

Y. Liu M.J. O'Grady, G.M.P. O'Hare (University College Dublin, Ireland)

**TUE ROOM.X MIOS-CIAO (day 1/2)**

08:00-09:00 registration  
09:00-10:30 ODBASE Opening, Keynote & coffee

10:30-11:00 session 1: **Opening** - Chair: Antonia Albani, Jan L.G. Dietz

11:00-12:30 session 2: **Architecture in Inter-Organizational Cooperation**  
- Chair: Antonia Albani

*The CrocodileAgent: Research for Efficient Agentbased Cross-enterprise Processes*  
Vedran Podobnik, Ana Petric, Gordan Jezic (University of Zagreb, Croatia)

*Case Study – Automating Direct Banking Customer Service Processes with Service Oriented Architecture*  
Andreas Eberhardt (b.telligent GmbH & Co.KG, Germany), Oliver Gausmann (University of Augsburg, Germany), Antonia Albani (Delft University of Technology, Netherlands)

*An Event-Trigger-Rule Model for Supporting Collaborative Knowledge Sharing among Distributed Organizations*  
Minsoo Lee (Ewha Womans University, Korea), Stanley Y. W. Su (University of Florida, USA)  
Herman Lam (University of Florida, USA)

12:30-14:00 lunch  
14:00-15:30 session 3: **Group work** - Chair: Antonia Albani, Jan L.G. Dietz

15:30-16:00 coffee  
16:00-18:00 session 4: **Ontology and Project Management** - Chair: Jan L.G. Dietz

*Semantic LBS: Ontological Approach for Enhancing Interoperability in Location Based Services*  
Jong-Woo Kim, Ju-Yeon Kim, Chang-Soo Kim (Pukyong National University, Korea)

*Dynamic Consistency between Value and Coordination Models - Research Issues*  
Lianne Bodenstaff, Andreas Wombacher, Manfred Reichert  
(University of Twente, The Netherlands)

*PROMONT – A Project Management Ontology as a Reference for Virtual Project Organizations*  
Sven Abels (BTC AG, Germany), Frederik Ahlemann (University of Osnabrueck, Germany), Axel Hahn (University of Oldenburg, Germany), Kevin Hausmann (University of Oldenburg, Germany), Jan Strickmann (University of Oldenburg, Germany)

*SPI methodology for Virtual Organizations*  
Paula Ventura Martins (CSI/Universidade do Algarve, Portugal)  
Alberto Rodrigues da Silva (INESC-ID /Instituto Superior Técnico, Portugal)

## **TUE ROOM.X CAMS (day 1/2)**

08:00-09:00 Registration  
09:00-10:30 ODBASE Opening, Keynote & coffee

10:30-12:30 Session 1: **Welcome; Filtering and Control** - Chair: Annika Hinze

*Context-driven data filtering: a methodology*  
Cristiana Bolchini, Elisa Quiintarelli (Politecnico di Milano, Italy)

*A Contextual Attribute-based Access Control Model*  
Michael J. Covington, Manoj R. Sastry (Corporate Technology Group, Intel Corporation)

14:00-15:30 Session 2: **Models of Context** - Chair: George Buchanan

*An Investigation into a Universal Context Model to Support Context-Aware Applications*  
Jason Pascoe, Helena Rodrigues, César Ariza (University of Minho, Portugal)

*A System for Context Dependent User Modeling*  
Petteri Nurmi (University of Helsinki, Finland), Alfons Salden (Telematica Instituut, Netherlands), Sian Lun Lau (University of Kassel, Germany), Jukka Suomela (University of Helsinki, Finland), Michael Sutterer (University of Kassel, Germany), Jean Millerat (Motorola Labs Parc Les Algorithmes, France), Miquel Martin (NEC Europe Ltd, Germany), Eemil Lagerspetz (University of Helsinki, Finland), Remco Poortinga (Telematica Instituut, Netherlands)

*Granular Context in Collaborative Mobile Environments*  
Christoph Dorn, Daniel Schall, Schahram Dustdar (Technical University of Vienna, Austria)

16:00-17:30 Session 3: **Service Models; Open Discussion** - Chair: Annika Hinze

*Context-Aware Services for Physical Hypermedia Applications*  
Gustavo Rossi, Silvia Gordillo, Cecilia Challiol, Andres Fortier  
(Universidad Nacional La Plata, Argentina)

*QoS-prediction service: infrastructural support for proactive QoS- and context-aware mobile services*  
Katarzyna Wac (University of Geneva, Switzerland)

## **TUE ROOM.X OnToContent**

08:00-09:00 Registration  
09:00-10:30 ODBASE Opening, Keynote & coffee

10:30-12:30 Session 1: **Ontology Quality and Consensus**  
Chair: Mustafa Jarrar

*Welcome and OOA introduction*  
Mustafa Jarrar (STARLab, Vrije Universiteit Brussel, Belgium)

*Unit tests for ontologies*  
Denny Vrandeic (AIFB, University of Karlsruhe, Germany), Aldo Gangemi (LOA CNR, Italy)

*Issues for Robust Consensus Building in P2P Network*

Abdul-Rahman Mawlood-Yunis, Michael Weiss, Nicola Santoro (Carleton University, Canada)

*Towards An Integration Model of Software Development Best Practices in a Knowledge Management System*

Nahla Jlaiel (RIADI Lab, ENSI, La Manouba University, Tunisia)

Mohamed Benahmed (RIADI Lab, ENSI, La Manouba University, Tunisia)

*Extraction and Formalization of Ontological Relations of Korean Numeral Classifiers*

Youngim Jung, Soonhee Hwang, Aesun Yoon, Hyuk-Chul Kwon

(KLPL lab, Pusan National University, S.Korea)

12:30-14:00 Lunch

14:00-15:30 Session 2: **Ontology construction and eHealth ontologies** - Chair: Esteban Zimanyi

*A Transfusion Ontology for Remote Assistance in Emergency Health Care*

Paolo Ceravolo, Ernesto Damiani, Cristiano Fugazza

(Department of Information Technology, University of Milan, Italy)

*Ontological Distance Measures for Information Visualisation on Conceptual Maps*

Sylvie Ranwez (LGI2P Research Centre, Ecole des Mines d'Alès, France), Vincent Ranwez (ISEM, Université Montpellier II, France), Jean Villerd (LGI2P Research Centre, Ecole des Mines d'Alès, France), Michel Crampes (LGI2P Research Centre, Ecole des Mines d'Alès, France)

*The Management and Integration of Biomedical Knowledge: Application in the Health-e-Child Project(position paper)*

Ernesto Jimenez-Ruiz, Rafael Berlanga, Ismael Sanz (Jaume I University of Castellon, Spain);

Richard McClatchey (CCS Research Centre, University of the West of England, UK); Roxana Danger

(Jaume I University of Castellon, Spain); David Manset, Jordi Paraire, Alfonso Rios (Maat

Gknowledge, Spain)

15:30-16:00 Coffee

16:00-18:20 Session 3: **Competence Ontologies** - Chair: Damiani Ernesto

*Ontology-Based Systems dedicated to Human Resources Management: an application in e-recruitment*

Vladimir Radevski (SEEU and University New York Skopje - UNYS, Republic of Macedonia),

Francky Trichet (LINA FRE-CNRS 2729 - Computer Science Research Institute, Team Knowledge and Decision, University of Nantes, France)

*Towards a Human Resource Development Ontology for Combining Competence Management and Technology-Enhanced Workplace Learning*

Andreas Schmidt (FZI Research Center for Information Technologies, Germany)

Christine Kunzmann (Kompetenzorientierte Personalentwicklung, Germany)

*The eCCO system: an eCompetence management tool based on semantic networks*

Barbara Pernici (Politecnico di Milano, Italy), Paolo Locatelli (Fondazione Politecnico, Italy),

Clementina Marinoni (Fondazione Politecnico, Italy)

*Competency model in a semantic context*

Stijn Christiaens (STARLab, Vrije Universiteit Brussel, Belgium), Jan De Bo (Synergetics, Belgium),

Ruben Verlinden (STARLab, Vrije Universiteit Brussel, Belgium)

*Pruning terminology extracted from a specialized corpus for CV ontology acquisition*

Mathieu Roche (Université Montpellier 2, France), Yves Kodratoff (Université Paris-Sud, France)

## WEDNESDAY 01 Nov

WED REGISTRATION DESK

08:00-09:00 OTM registration

WED SHARED WELCOME AND KEYNOTE SESSION

09:00-09:30 CoopIS'06 Opening by General & PC Chairs

09:30-10:30 CoopIS'06 KEYNOTE

**Frank Leymann (University of Stuttgart, Germany)**

*“Workflow-Based Cooperation and Coordination in a Service World”*

### WED ROOM.X IS'06: Information Security (day 3/3)

08:00-09:00 registration

09:00-10:30 CoopIS Opening, Keynote & coffee

10:30-12:30 Session 1: **Risk Analysis and Business Continuity** - Chair: TBA

*Disaster Coverable PKI Model Utilizing the Existing PKI Structure*

Boman Kim, Kyuyoung Choi and Donghoon Lee

*A Corporate Capital Protection Assurance Model*

CM Reekie; SH Von Solms

*Quantitative Evaluation of Systems with Security Patterns Using a Fuzzy Approach*

Spyros T. Halkidis, Alexander Chatzigeorgiou and George Stephanides

*Managing Critical Information Infrastructure Security Compliance: A Standards Based Approach Using ISO/IEC 17799 and 27001*

Wipul Jayawickrama

12:30-14:00 lunch

14:00-15:30 Session 2: **Mobile and Wireless Network Security** - Chair: TBA

*A Composite Key Management Scheme for Mobile Ad Hoc Networks*

Yingfang Fu, Jingsha He and Guorui Li

*Adaptive Algorithms to Enhance Routing and Security for Wireless PAN Mesh Networks*

Cao Trong Hieu

*Secure and Seamless Handoff at a MAC Layer in a Wireless LAN System*

Jaesung Park, Beomjoon Kim, Iksoon Hwang and Yong-Hoon Choi

15:30-16:00 coffee  
16:00-18:00 Session 3: **Information Security and Service Resilience** - Chair: TBA

*A CAPTCHA in the Text Domain*

Pablo Ximenes, André dos Santos, Marcial Fernandez, Joaquim Celestino Jr.

*Simulation of Client Puzzles in DoS-resistant Protocols*

S. Tritilanunt, C. Boyd, J. M. Gonzalez Nieto, E. Foo

*Securing Data Accountability in Decentralized Systems*

Ricardo Corin and David Galindo and Jaap-Henk Hoepman

*Privacy Friendly Information Disclosure*

Steven Gevers and Bart De Decker

**WED ROOM.X MIOS-CIAO (day 2/2)**

08:00-09:00 registration  
09:00-10:30 CoopIS Opening, Keynote & coffee

10:30-12:30 session 1: **Inter-Organizational Business Processes** - Chair: Antonia Albani

*A Pattern Repository for Establishing Inter-Organizational Business Processes*

A. Norta, M. Hendrix, P. Grefen (Eindhoven University of Technology, The Netherlands)

*On the Concurrency of Inter-Organizational Business Processes*

Diogo R. Ferreira (IST - Technical University of Lisbon, Portugal)

*From inter-organizational to inter-departmental collaboration – using multiple process levels*

Daniel Simonovich (Reutlingen University, Germany)

*An Ontology-based Scheme Enabling the Modeling of Cross-Enterprise Business Processes*

Manuel Noguera, M. Visitación Hurtado, José L. Garrido (University of Granada, Spain)

12:30-14:00 lunch  
14:00-15:30 session 2: **Group work** - Chair: Antonia Albani, Jan L.G. Dietz

15:30-16:00 coffee  
16:00-17:30 session 3: **Group work discussion** - Chair: Jan L.G. Dietz

17:30-18:00 session 4: **Closing** - Chair: Antonia Albani, Jan L.G. Dietz

**WED ROOM.X CAMS (day 2/2)**

10:30-12:30 Session 1: **Data Handling** - Chair: Annika Hinze

*LiteMap: An ontology mapping approach for mobile agents' context-awareness*  
Haifa Zargayouna, Nejla Amara (LIPN University, France)

*Compressing GPS Data on Mobile Devices*  
Ryan Lever (Swansea University, UK), Annika Hinze (University of Waikato, New Zealand)  
George Buchanan (Swansea University, UK)

*Seamless Service Adaptation in Context-Aware Middleware for U-HealthCare*  
Eun Jung Ko, Hyjng Jik Lee, Jeun Woo Lee  
(Electronics and Telecommunications Research Institute, Korea)

14:00-15:30 Session 2: **Users and Uses** - Chair: George Buchanan

*Using laddering and association technique to develop a user-friendly mobile (city) application*  
Greet Jans, Licia Calvi (K.U. Leuven, Belgium)

*A Situation-aware Mobile System to support Fire Brigades in Emergency Situations*  
Kris Luyten, Frederik Winters, Karin Coninx, Dries Naudts, Ingrid Moerman  
(Hasselt University, Ghent University, Belgium)

*Context-based e-Learning composition and adaptation*  
Maria G. Abarca, Rosa A. Alarcon, Rodrigo Barria, David Fuller  
(Pontificia Universidad Católica de Chile)

16:00-17:30 Session 3: **Discussion and Close** - Chair: George Buchanan

**WED ROOM.X SWWS (day 1/2)**

08:00-09:00 registration

09:00-10:30 CoopIS Opening, Keynote & coffee

10:30-12:30 Session 1: **Security, Privacy and Risk** - Chair: Mustafa Jarrar

*Rule-based Access Control for Social Networks*  
Elena Ferrari, Barbara Carminati, Andrea Perego (Universita degli Studi dell'Insubria, Italy)

*A legal ontology for privacy preservation on Location-Based Services*  
Hugo A. Mitre, Ana Isabel González-Tablas, Benjamín Ramos, Arturo Ribagorda  
(Universidad Carlos III de Madrid, Spain)

*A Fuzzy Approach to Risk Based Decision Making*  
Omar Khadeer Hussain, Elizabeth Chang, Farookh Khadeer Hussain (Curtin University of  
Technology, Australia); Tharam S. Dillon (University of Technology, UTS, Australia)

12:30-14:00 lunch

14:00-15:30 Session 2: **Semantic Web and Querying** - Chair: Avigdor Gal

*Header Metadata Extraction from Semi-structured Documents Using Template Matching*

Zewu Huang, Hai Jin, Pingpeng Yuan, Zongfen Han  
(Huazhong University of Science and Technology, China)

*Query Terms Abstraction Layers*

Stein L. Tomassen, Darijus Strasunskas  
(Norwegian University of Technology and Science, Norway)

*VQS - An Ontology-based Virtual Query System for the SemanticLIFE Digital Memory Project*

Hanh Huu Hoang, Amin Andjomshoaa, A Min Tjoa  
(Vienna University of Technology, Austria)

15:30-16:00 coffee

16:00-17:30 Session 3 : **Ontologies** - Chair: Mihaela Ulieru

*Software Design Process Ontology Development*

P. Wongthongtham, Elizabeth Chang (Curtin University of Technology, Australia)  
Tharam S. Dillon (University of Technology, UTS, Australia)

*Ontology Views: A Theoretical Perspective*

Rajugan, R. (University of Technology, UTS, Australia)  
Elizabeth Chang (Curtin University of Technology, Australia)  
Tharam S. Dillon (University of Technology, UTS, Australia)

*OntoExtractor: A fuzzy-based approach to content and structure-based metadata extraction*

Paolo Ceravolo, Ernesto Damiani, Marcello Leida, Marco Vivianico  
(Universita degli studi di Milano, Italy)

## THURSDAY 02 Nov

THU REGISTRATION DESK

08:00-09:00 OTM registration

THU SHARED WELCOME AND KEYNOTE SESSION

09:00-09:30 GADA Opening by General & PC Chairs

09:30-10:30 GADA'06 KEYNOTE:

**Daniel S. Katz (Louisiana State University and Jet Propulsion Laboratory)**

*“Data-Oriented Distributed Computing for Science: Reality and Possibilities”*

### THU ROOM.X SWWS (day 2/2)

08:00-09:00 registration

09:00-10:30 GADA Opening, Keynote & coffee

10:30-12:30 Session 1: **Applications of Semantic Web** - Chair: Paolo Ceravolo

*Semantic Interoperability of Protein Data Sources*

Amandeep S. Sidhu, Tharam S. Dillon (University of Technology, UTS, Australia), Elizabeth Chang (Curtin University of Technology, Australia)

*An OWL Copyright Ontology for Semantic Digital Rights Management*

Roberto García, Rosa Gil (Universitat de Lleida, Spain)

*QP-T: Query Pattern-based RDB-to-XML Translation*

Jinhyung Kim, Yixin Jing, Doo-Kwon Baik (Korea University, Korea)

Dongwon Jeong (Kunsan National University, Korea)

12:30-14:00 lunch

14:00-15:30 Session 2: **Concepts for the Semantic Web** - Chair: Ernesto Damiani

*A Study on the Use of Multicast Protocol Traffic Overload for QCBT*

Won-Hyuck Choi, Young-Ho Song (Hankuk Aviation University, Korea)

*Semantic Granularity for the Semantic Web*

R. Albertoni, E. Camossi, M. De Martino, F. Giannini, M. Monti (IMATI-CNR, Italy)

*Maximum Rooted Spanning Trees for the Web*

Wookey Lee (Inha University, Korea), Seungkil Lim (Sungkyul University, Korea)

15:30-16:00 coffee

16:00-18:00 Session 3: **IFIP WG 2.12 / 12.4 Research Meeting** - Chair: Mustafa Jarrar

18:00-19:30 Session 4: **IFIP WG 2.12 / 12.4 Meeting** - Chair: Tharam S. Dillon

see Meeting Agenda for the detailed program

**THU ROOM.X ORM (day 1/2)**

08:00-09:00 Registration

09:00-10:30 GADA Opening, Keynote & coffee

10:30-12:30 Session 1: **Modeling Extensions** - Chair: Terry Halpin

*Welcome, and Introduction of Participants*

*Part-whole Relations in Object-Role Models*

C. Maria Keet (Free University of Bozen-Bolzano, Italy)

*Exploring modelling strategies in a meta-modelling context*

P. van Bommel, S.J.B.A. Hoppenbrouwers, H.A. (Erik) Proper and Th.P. van der Weide (Radboud University, The Netherlands)

*Giving Meaning to Enterprise Architectures: Architecture Principles with ORM and ORC*

P. van Bommel, S.J.B.A. Hoppenbrouwers, H.A. (Erik) Proper and Th.P. van der Weide, (Radboud University, The Netherlands)

12:30-14:00 Lunch

14:00-15:30 Session 2: **Data Warehousing** - Chair: Sjur Nijssen

*Using ORM-based Models as a Foundation for a Data Quality Firewall in an Advanced Generation Data Warehouse*

Baba Piprani (SICOM, Canada)

*Evolution of a Dynamic Multidimensional Denormalization Meta Model using Object Role Modeling*

Joe Hansen and Necito dela Cruz (Guidant Corporation, USA)

15:30-16:00 Coffee Break

16:00-18:00 Session 3: **Language and Tool Issues** - Chair: Herman Balsters

*Fact-oriented modeling from a programming language designer's perspective*

Betsy Pepels, Rinus Plasmeijer, H. A. (Erik) Proper (Radboud University, The Netherlands)

*Automated Verbalization for ORM 2*

Terry Halpin, Matt Curland (Neumont University, USA)

*T-Lex: A Role-based Ontology Engineering Tool*

Damien Trog, Jan Vereecken, Stijn Christiaens, Pieter De Leenheer, Robert Meersman (Vrije Universiteit Brussel, Belgium)

**THU ROOM.X**      **COMINF (day 1/2)**

08:00-09:00    Registration  
09:00-10:30    GADA Opening, Keynote & coffee

10:30-12:30    Session 1: **Community Informatics Foundations** - Chair: Michael Gurstein

*Community Informatics and Human Development (Keynote)*

William McIver, Jr. (National Research Council Institute for Information Technology, Canada)

*Communications Breakdown: Revisiting the Question of Information and its Significance for Community Informatics Projects*

William Tibben (University of Wollongong, Australia)

*More Than Wires, Pipes and Ducts: Some Lessons from Grassroots Initiated Networked Communities and Master-Planned Neighbourhoods*

Mark Gaved (The Open University, Milton Keynes, UK), Marcus Foth (Queensland University of Technology, Australia)

12:30-14:00    Lunch

14:00-15:30    Session 2: **Capturing Community Meaning** - Chair: Larry Stillman

*Community-Driven Ontology Evolution Based on Folksonomies*

Domenico Gendarmi and Filippo Lanubile (University of Bari, Italy)

*Knowledge Sharing Over Social Networking Systems: Architecture, Usage Patterns and Their Application*

Tanguy Coenen, Dirk Kenis, Céline Van Damme, and Eiblin Matthys (Vrije Universiteit Brussel, Belgium)

*Metadata Mechanisms: From Ontology to Folksonomy ... and Back*

Stijn Christiaens (Vrije Universiteit Brussel, Belgium)

15:30-16:00    Coffee

16:00-17:30    Session 3: **Improving Community Communications** - Chair: William McIver, Jr.

*Virtual Individual Networks: A Case Study*

Licia Calvi (K.U.Leuven, Belgium)

*Agent Community Support for Crisis-Response Organizations*

Hans Weigand (Tilburg University, The Netherlands)

*Aggregating Information and Enforcing Awareness across Communities with the Dynamo RSS Feeds Creation Engine: Preliminary Report*

F. De Cindio (Università degli Studi di Milano, Italy), G. Fiumara (Università degli Studi di Messina, Italy), M. Marchi (Università degli Studi di Milano, Italy), A. Provetti (Università degli Studi di Messina, Italy), L.A Ripamonti (Università degli Studi di Milano, Italy), L. Sonnante (Università degli Studi di Milano, Italy)

# FRIDAY 03 Nov

FRI REGISTRATION DESK

08:00-09:00 OTM registration

FRI SHARED WELCOME AND KEYNOTE SESSION

09:00-09:30 Closing by General & PC Chairs

09:30-10:30 OTM'06 KEYNOTE:

**Stefano Bertolo (European Commission)**

*“From Intelligent Content to Actionable Knowledge: Research directions and opportunities under the EU's Framework Programme 7, 2007-2013”*

## FRIDAY ROOM X ORM (day 2/2)

09:00-10:30 OTM Keynote

10:30-11:00 Coffee Break

11:00-12:30 Session 4: **Dynamic Rules and Processes** - Chair: Erik Proper

*Modeling Dynamic Rules in ORM*

Herman Balsters (University of Groningen, The Netherlands)

Andy Carver, Terry Halpin, Tony Morgan (Neumont University, USA)

*Some Features of State Machines in ORM*

Tony Morgan (Neumont University, USA)

12:30-14:00 Lunch

14:00-15:30 Session 5: **The Modeling Process and Instructional Design** - Chair: Jan Dietz

*Data Modeling Patterns using Fully Communication Oriented Information Modeling (FCO-IM)*

Fazat Nur Azizah and Guido Bakema (HAN University of Applied Science, The Netherlands)

*Using Fact-orientation for Instructional Design*

Peter Bollen (University of Maastricht, The Netherlands)

*Capturing Modeling Processes – Towards the MoDial Modeling Laboratory*

S.J.B.A. (Stijn) Hoppenbrouwers, L. (Leonie) Lindeman and H.A. (Erik) Proper

(Radboud University, The Netherlands)

15:30-16:00 Coffee Break

16:00-17:30 Session 6: **Panel on “The Future of ORM”** (Moderator: Erik Proper)

Panelists: Guido Bakema, Ken Evans, Terry Halpin, Robert Meersman, Sjur Nijssen, Baba Piprani

## **FRI ROOM.X COMINF (day 2/2)**

08:00-09:00 Registration

09:00-10:30 OTM Keynote & coffee

10:30-12:30 Session 1: **Analyzing and Designing Community IS** - Chair: Mark Gaved

*Incorporating Indigenous World views in Community Informatics*

Larry Stillman (Monash University, Australia), Barbara Craig (Victoria University of Wellington, New Zealand)

*Towards a Theory of Online Social Rights*

Brian Whitworth (Massey University, New Zealand), Aldo de Moor (Vrije Universiteit Brussel, Belgium), Tong Liu (Massey University, New Zealand)

*Requirements Determination in a Community Informatics Project: An Activity Theory Approach*

Melih Kirlidog (Marmara University, Turkey)

*Developing Enterprise Sponsored Virtual Communities: the Case of an SME's Knowledge Community Support System*

Antonio Lucas Soares, Dora Simoes, Manuel Silva (INESC Porto, Portugal)

12:30-14:00 Lunch

14:00-15:30 Session 2: **Community Evaluation and Assessment Methodologies**

Chair: Aldo de Moor

*Understanding Weblog Communities Through Digital Traces: a Framework, a Tool and an Example*

Anjo Anjewierden (University of Amsterdam, Netherlands), Lilia Efimova (Telematica Instituut, Netherlands)

*Evaluating the Informational and Social Aspects of Participation in Online Communities*

Emilie Marquois-Ogez and Cecile Bothorel (France Telecom R&D, France)

*An Approach to the Assessment of Applied Information Systems with Particular Application to Community Based Systems*

Driss Kettani (Al Akhwayan University, Morocco), Michael Gurstein (Center for Community Informatics Research, Development and Training, Canada), Bernard Moulin (Laval University, Canada), Asmae El Mahdi (Al Akhwayan University, Morocco)

15:30-16:00 Coffee

16:00-17:30 **Plenary Discussion: Towards a Socio-Technical Research Agenda for Community Informatics**