

iiWAS2008/MoMM2008 PROGRAM

Sunday, 23 November 2008

17:00 - 19:00	REGISTRATION Johannes Kepler University Linz Campus
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Please notice that the conference badge can be used as transportation pass (tram and buses) in Linz for the three days of the conference

Monday, 24 November 2008

Venue: Johannes Kepler University Linz

08:00	REGISTRATION						
09:00	CONFERENCE OPENING [room: Rep A + B + C]						
9:30	KEYNOTE SPEECH [room: Rep A + B + C] Spatial Zones of Influence Prof. Dr. Alois Ferscha Johannes Kepler Universität Linz AUSTRIA						
10:30	COFFEE BREAK						
11:00	TUTORIAL I [room: Rep A] Community TV – a new dimension for immersive social networking Dr. Bernhard Collini-Nocker University of Salzburg AUSTRIA		TUTORIAL II [room: SZ 3] Web Information Systems Co-Design Prof. Dr. Klaus-Dieter Schewe (New Zealand Information Science Research Centre, NEW ZEALAND) and Prof. Dr. Bernhard Thalheim (Christian-Albrechts-University Kiel, GERMANY)		TUTORIAL III [room: Rep C] The new era of Web Data Warehousing: XML Warehousing Issues and Challenges J. Wenny Rahayu, Eric Pardede (La Trobe University, AUSTRALIA) and David Taniar (Monash University, AUSTRALIA)		
12:30	LUNCH						
14:00	iiWAS2008/MoMM2008/Workshops Sessions						
	<i>iiWAS</i> [room: Rep A] <i>Web Services 1</i>	<i>MoMM</i> [room: Rep B] <i>Wearable Computing</i>	<i>iiWAS</i> [room: Rep C] <i>Social Networking: Research and Applications</i>	<i>BWCCA A</i> [room: SZ 1] <i>Mobile Networks Applications</i>	<i>MoCoHe</i> [room: SZ 2]	<i>MoMM</i> [room: SZ 3] <i>Location and Context Aware Applications</i>	<i>ERPAS</i> [room: SZ 4] <i>Context Aware Systems</i>
15:30	COFFEE BREAK						
16:00	iiWAS2008/MoMM2008/Workshops Sessions						
	<i>iiWAS</i> [room: Rep A] <i>Web Services 2</i>	<i>MoMM</i> [room: Rep B] <i>Computer Vision</i>	<i>iiWAS/MoMM</i> [room: Rep C] <i>Short Papers 1</i>	<i>MoMM</i> [room: SZ 1] <i>Performance Issues in Mobile Ad-Hoc Network</i>	<i>BWCCA B</i> [room: SZ 2] <i>Modeling, Methodologies and Data Services</i>	<i>MoMM</i> [room: SZ 3] <i>Collaborative Computing</i>	<i>ERPAS</i> [room: SZ 4] <i>Database and Information Management 1</i>
17:00	Industrial Presentation [room: Rep C] System-Z Architecture: Technology Trends and Applications Malcolm Beattie IBM						
17:30	Photo Session (all Participants)						
18:15 - 21:00	Ten Years iiWAS What a Difference a Decade Can Make? WELCOME RECEPTION Johannes Kepler University Linz Campus [room: Rep E + F + G]						

Monday: 14:00 – 15:30

iiWAS: Web Services I (Session Chair: Vladimir Stantchev)

Techniques for Service Level Enforcement in Web-Services Based Systems
Vladimir Stantchev, Christian Schröpfer (Berlin Institute of Technology, Germany)

EzWeb/FAST: Reporting on a Successful Mashup-based Solution for Developing and Deploying Composite Applications in the Upcoming Web of Services
David Lizcano, Javier Soriano (Universidad Politécnica de Madrid), Marcos Reyes, Juan J. Hierro (Telefónica Investigación y Desarrollo, Spain)

Application Framework with Demand-Driven Mashup for Selective Browsing
Sohei Ikeda, Takakazu Nagamine, **Tomio Kamada** (Kobe University, Japan)

iiWAS: Social Networking: Research and Applications (Session Chair: Werner Kurschl)

Enabling Semantics-Aware Collaborative Tagging and Social Search in an Open Interoperable Tagosphere
Javier Soriano, **Javier López**, Miguel Jimenez, Fernando Alonso (Universidad Politécnica de Madrid, Spain)

Social Recommendations of Content and Metadata
Rodolfo Stecher, Gianluca Demartini, Claudia Niederée (University of Hannover, Germany)

Temporal Evolution of Social Networks in PaltalkTM
Khaled Mahdi, Hisham Farahat, **Maytham Safar** (Kuwait University)

MoMM: Wearable Computing (Session Chair: David Taniar)

A Wearable System for Supporting Audiences and Motorbike Racing Teams
Tsutomu Terada (Kobe University, Japan), Masakazu Miyamae (Westunitis, Co., Ltd., Japan), Yasue Kishino (NTT Communication Science Laboratories, Japan), Takahito Fukuda (Westunitis, Co., Ltd., Japan), Masahiko Tsukamoto (Kobe University, Japan)

Designing Wii Controller - A Powerful Musical Instrument In An Interactive Music Performance System
Elaine L. Wong, **Wilson Y. F. Yuen**, Clifford S. T. Choy (Hong Kong Polytechnic University, Hong Kong)

Development of a Navigation System with a Route Planning Algorithm Using Body-Worn Sensors
Takuya Katayama, Masaki Nakamiya, Masashi Yamashita, Kazuya Murao, Kohei Tanaka (Osaka University), Tsutomu Terada (Kobe University), Shojiro Nishio (Osaka University)

MoMM: Location and Context Aware Applications (Session Chair: Ioannis T. Christou)

G2G: Location-Aware Mobile Social Networking with Applications in Recommender Systems and Gaming
Sotiris Michalakos, **Ioannis T. Christou** (Athens Information Technology, Greece)

Model-based Concerns Mashups for Mobile Hypermedia
Cecilia Challiol, Andrés Fortier, Silvia E. Gordillo, Gustavo Rossi (LIFIA, Argentina)

An Indoor Localization Platform for Ambient Assisted Living Using UWB
Mitilineos A. Stelios, Argyreas D. Nick, Makri T. Effie, Kyriazanos M. Dimitris, Stelios C. A. Thomopoulos (National Center for Scientific Research "Demokritos" Patriarchou Grigoriou & Neapoleos, Greece)

BWCCA A: Mobile Network Applications (Session Chair: Leonard Barolli)

Environmental Context Sensing for Usability Evaluation in Mobile HCI by Means of Small Wireless Sensor Networks
Karin A. Hummel, **Andrea Hess** (University of Vienna, Austria), Thomas Grill (Johannes Kepler University Linz, Austria)

An Effective Seamless Connectivity Scheme for Ubiquitous Applications
Prashant K. Wali, **Pallapa Venkataram** (Indian Institute of Science, India)

An Architecture for Adaptive Multimedia Streaming to Mobile Nodes
Wolfgang Leister (Norsk Regnesentral, Norway), Tiia Sutinen (VTT Technical Research Centre of Finland, Finland), **Svetlana Boudko** (Norsk Regnesentral, Norway), Ian Marsh (SICS, Sweden), Carsten Griwodz, Pål Halvorsen (Simula Research Laboratory, Norway)

MMPI a Message Passing Interface for the Mobile Environment

Daniel C. Doolan (Robert Gordon University, UK), **Sabin Tabirca** (University College Cork, Ireland), **Laurence T. Yang** (St. Francis Xavier University, Canada)

MoCoHe (Session Chair: Maria Indrawan)

Speech Recognition Use in Healthcare Applications

Scott Durling, **Jo Lumsden** (National Research Council of Canada, Canada)

Improvisation During Implementation Of Health Information Systems: A Theoretical Perspective

Joe Wee Seng Tan, **Leonie Hallo** (University of South Australia, Australia)

DMIS: Design and Prototype of a Future Clinical eHealth System

Michael Borovicka, (University of Innsbruck, Austria)

Towards a Framework for Mobile Information Environments: a Hospital-based Example

Linda Dawson, **Sea Ling**, **Maria Indrawan**, **Stephen Weeding**, **Juanita Fernando** (Monash University, Australia)

ERPAS: Context Aware Systems (Session Chair: Kerstin Altmanninger)

Automatic Acquisition of Vernacular Places

André Blessing, **Hinrich Schütze** (Universität Stuttgart, Germany)

Services through NFC technology in AmI Environment

G. Chavira, **S.W. Nava** (Autonomous University of Tamaulipas, Mexico), **Ramon Hervás**, **V. Villarreal**, **J. Bravo** (Castilla La Mancha University, Spain), **S. Martín**, **M. Castro** (National University for Distance Education, Spain)

Research Topic Recommendation System: An Approach based on Semantic Relation in Context

Min-Ho Lee, **Won-Kyun Joo**, **Sung-Pil Choi**, **Nam-Gyu Kang**, **Hwa-Mook Yoon** (Korea Institute of Science and Technology Information, Korea)

Toward Autonomic Pervasive Computing

Charles Gouin-Vallerand, **Bessam Abdulrazak**, **Sylvain Giroux** (Université de Sherbrooke, Canada), **Mounir Mokhtari** (Telecom SudParis, France)

Using Conditional Transformations for Semantic User Interface Adaptation

Pascal Bihler, **Merlin Fotsing**, **Günter Kniesel** (Universität Bonn, Germany), **Cédric Joffroy** (Laboratoire I3S, CNRS, France)

Monday: 16:00 – 17:00

iiWAS: Web Services 2 (Session Chair: Osamu Yoshie)

A Personalized Access Model: Concepts and Services for Content Delivery Platforms

Sofiane Abbar, **Mokrane Bouzeghoub** (PRiSM Laboratory, France), **Dimitre Kostadinov** (Alcatel Lucent Bell Labs, France), **Stéphane Lopes** (PRiSM Laboratory, France), **Armen Aghasaryan**, **Stephane Betge-Brezetz** (Alcatel Lucent Bell Labs, France)

Contract-first Service Development within the Venice Service Grid

Markus Hillenbrand, **Joachim Goetze**, **Paul Müller** (University of Kaiserslautern, Germany)

Automating UML Models Merge for Web Services Testing

Vincent Pretre, **Fabrice Bouquet**, **Christophe Lang** (Laboratoire d'Informatique de Franche-Comté, France)

iiWAS/MoMM: Short Papers 1 (Session Chair: Bernhard Thalheim)

Structuring Service-Oriented Activities in Programmable Multi-Service Networks

Dionisis X. Adamopoulos (University of Piraeus, Greece)

Phone-to-Phone Communication for Adaptive Image Classification

Erich Bruns, **Oliver Bimber** (Bauhaus-University Weimar, Germany)

Design and Evaluation of a System for Mesh-based P2P Live Video Streaming
Federico Covino, Massimo Mecella (Università di Roma, Italy)

MoMM: Computer Vision (Session Chair: Wolfgang Leister)

Intra-frame Scan: a Method for Estimating Object Movements using an Interlace Camera and Visual Markers
Yuhki Suzuki, Tsutomu Terada, Masahiko Tsukamoto (Kobe University, Japan)

Design and Implementation of a Ubiquitous Optical Device Controlled with a Projector
Mami Nakata, Kenji Kodama, Naotaka Fujita, Yoshinari Takegawa, Tsutomu Terada, Masahiko Tsukamoto (Kobe University), Shinichi Hosomi, Shojiro Nishio (Osaka University, Japan)

A Comparison of Different Computer Vision Methods for Real Time 3D Reconstruction for the Use in Mobile Robots
Joachim Dornauer, **Gabriele Kotsis** (Johannes Kepler University Linz, Austria), Christian Bernthaler, Michael Naderhirn (AeroSpy Sense and Avoid Technology GmbH, Austria)

MoMM: Collaborative Computing (Session Chair: Thomas Grill)

A collaborative framework for simultaneous and seamless 3D graphics manipulation
Andrew Siak Chuan Tan, Binh Pham, Jinglan Zhang, Ross Brown (Queensland University of Technology, Australia)

Annotation Architecture for Mobile Collaborative Mapping
Chien Jon Soon, Paul Roe (Queensland University of Technology, Australia)

MoMM Performance Issues in Mobile Ad-Hoc Network (Session Chair: Antonio Liotta)

Load-Balance of Intra/Inter-MANET Traffic over Multiple Internet Gateways
Quan Le-Trung (University of Oslo, Norway), Paal E. Engelstad (Telenor Research & Innovation (R&I), Finland), Tor Skeie, Amirhosein Taherkordi (University of Oslo, Norway)

Cost Metric Algorithm for Transit Routing in MANETs with Internet Connectivity
Vinh Pham, Erlend Larsen (Unik, Norway), Øivind Kure (Norwegian University of Science and Technology, Norway), Paal Engelstad (Telenor R&D, Norway)

Power Consumption Optimization and Delay Minimization in MANET
Hafiz M. Asif (Lancaster University, UK), Tarek R Sheltami (King Fahd Univ. of Pet. & Min., KSA), Elhadi E. Shakshuki (Acadia University, Canada)

BWCCA B: Modeling, Methodologies and Data Services (Session Chair: Leonard Barolli)

A Mobile Data Service Framework and its Business Models
Katharina Issel, **Joanna Mrozik** (University of Karlsruhe, Germany)

Reliability and Survivability Methodologies for Next Generation Networks
Maurizio Guida, Maurizio Longo, Fabio Postiglione (Università degli Studi di Salerno, Italy)

A Scenario of Voice Services Delivery over Enterprise W/LAN Networked Platform
Natalia Kryvinska, Christine Strauss (University of Vienna, Austria), Bernhard Collini-Nocker, Peter Zinterhof (University of Salzburg, Austria)

Design of a Coherent Mobile Multimedia Framework for Convergent Services
Alberto Diez Albaladejo (FOKUS Fraunhofer, Germany), **Alin Murarasu**, Thomas Magedanz (Technische Universität Berlin, Germany)

ERPAS Database and Information Management I (Session Chair: Thanh Binh Nguyen)

The Integration of SQI in a Reusable learning Objects System: Advantages and Disadvantages
Salvador Otón, Antonio Ortiz, **José Ramón Hilerá**, José Javier Martínez, Roberto Barchino, José María Gutiérrez, José Antonio Gutierrez, Luis De marcos University of Alcalá, Spain)

Computer Vision Method for Pianists's Fingers Information Retrieval
Manitsaris Sotirios, Pekos Georgios (University of Macedonia, Greece)

Tuesday, 25 November 2008

09:00	KEYNOTE iiWAS I [room: Rep C] Mobile Agent-based Data Management in Grid Systems Prof. Dr. Abdelkader Hameurlain Paul Sabatier University FRANCE				KEYNOTE MoMM I [room: Rep A] Mobile Ambient Media – Between Human, Art, and Technology Dr. Artur Lugmayr Tampere University of Technology FINLAND		
09:45	KEYNOTE iiWAS II [room: Rep C] BiOnMap: A Deductive Approach for Resource Discovery Nadia Yacoubi Ayadi (National School of Computer Science, Tunisia), Zoé Lacroix (Translational Genomics Research Institute, USA), Maria Esther Vidal (Universidad Simón Bolívar, Venezuela)				KEYNOTE MoMM II [room: Rep A] Interaction and Cognition in the Wild, Wild Web: Like Graved Salmon on the Cold Buffet Prof. Dr. Hanna Risku Donau-Universität Krems AUSTRIA		
10:30	COFFEE BREAK						
11:00	iiWAS2008/MoMM2008/Workshops Sessions						
	<i>iiWAS</i> [room: Rep A] <i><u>XML Data Modelling and Processing 1</u></i>	<i>MoMM</i> [room: Rep B] <i><u>Quality Issues</u></i>	<i>iiWAS</i> [room: Rep C] <i><u>Web Service Business Process</u></i>	<i>RED A</i> [room: SZ 1]	<i>BWCCA C</i> [room: SZ 2] <i><u>Traffic Control and Filtering</u></i>	<i>MDC A</i> [room: SZ 3]	<i>TwUC A</i> [room: SZ 4]
12:30	LUNCH						
14:00	iiWAS2008/MoMM2008/Workshops Sessions						
	<i>MoMM</i> [room: Rep A] <i><u>Data Management</u></i>	<i>BWCCA D</i> [room: Rep B] <i><u>P2P and Web Applications</u></i>	<i>iiWAS</i> [room: Rep C] <i><u>XML Data Modelling and Processing 2</u></i>	<i>RED B</i> [room: SZ 1]	<i>MDC B</i> [room: SZ 2]	<i>ERPAS</i> [room: SZ 3] <i><u>Security Issues</u></i>	<i>TwUC B</i> [room: SZ 4]
15:30	COFFEE BREAK						
16:00 – 17:30	iiWAS2008/MoMM2008/Workshops Sessions						
	<i>iiWAS</i> [room: Rep A] <i><u>Information and Service Workflows</u></i>	<i>iiWAS</i> [room: Rep B] <i><u>Application and Beyond 1</u></i>	<i>iiWAS</i> [room: Rep C] <i><u>Ontology and Semantic Web</u></i>	<i>MoMM</i> [room: SZ 1] <i><u>Short Papers 2</u></i>	<i>iiWAS</i> [room: SZ 2] <i><u>Short Papers 2</u></i>	<i>iiWAS</i> [room: SZ 3] <i><u>Application and Beyond 2</u></i>	<i>ERPAS</i> [room: SZ 4] <i><u>Database and Information Management 2</u></i>
19:00 – 23:00	CONFERENCE GALA DINNER CRYSTAL SHIP						

Tuesday: 11:00 – 12:30

iiWAS: XML Data Modelling and Processing I (Session Chair: Elhadi M Shaksuki)

XPred: A New Model-Mapping-Schema-Based Approach for Efficient Access to XML Data
Jun Wu, Shang-Yi Huang (National Pingtung Institute of Commerce, Taiwan R.O.C.)

A Schema Matching-based Approach to XML Schema Clustering
Alsayed Algergawy, Eike Schallehn, Gunter Saake (Magdeburg University, Germany)

GMX: An XML Data Partitioning Scheme for Holistic Twig Joins
Imam Machdi, Toshiyuki Amagasa and Hiroyuki Kitagawa (University of Tsukuba, Japan)

An Algorithm Explanation Agent for the SHALEX System
Elhadi M Shaksuki, Richard Halliday (Acadia University, Canada)

iiWAS: Web Service Business Process I (Session Chair: Juha Puustjärvi)

The BPMSOA: Evaluating the Enactment of a Business Process using Application Domain Specific Grid Services
Zaheer Abbas Khan, Mohammed Odeh, Tony Solomonides (University of the West of England, UK), **Flavio Ouendo** (University of Brittany, France)

An Adaptive ECA-Centric Architecture for Agile Service-Based Business Processes with Compliant Aspectual .NET Environment
Syed Saifur Rahman, Nasreddine Aoumeur, Gunter Saake (University of Magdeburg, Germany)

Exception Resolution for BPEL Processes: a Middleware-based Framework and Performance Evaluation
Christos Kareliotis (University of Athen, Greece), **Costas Vassilakis** (University of Peloponnese, Greece), **Efstathios Rouvas, Panayiotis Georgiadis** (University of Athen, Greece)

Control and Data Dependencies in Business Processes Based on Semantic Business Activities
Zhangbing Zhou, Sami Bhiri, Manfred Hauswirth (National University of Ireland, Ireland)

MoMM: Quality Issues (Session Chair: Antonio Liotta)

An Experimental Evaluation of a QoS Signaling API for Network-aware Multimedia Applications in NGN
Ognjen Dobrijevic, Maja Matijasevic (University of Zagreb)

QoE-aware QoS Management
Florence Agboma (University of Essex, UK), **Antonio Liotta** (Eindhoven University of Technology, The Netherlands)

Three Scheduling-levels algorithm for IEEE 802.11 QoS efficiency improvement
Khaled Dridi, Karim Djouani, Boubaker Daachi (University of Paris East, France)

RED A (Session Chair: Zoe Lacroix)

Facilitating Discovery on the Private Web using Dataset Digests
Peter Mork, Ken Smith, Barbara Blaustein, Chris Wolf, Keri Sarver (The MITRE Corporation, USA)

BioRegistry: Automatic Extraction of Metadata for Biological Database Retrieval and Discovery
Marie-Dominique Devignes, Philippe Franiatte, Nizar Messai, Amedeo Napoli, Malika Smail-Tabbone (INRIA Nancy Grand-Est, France)

ProtocolDB: Classifying Resources with a Domain Ontology to Support Discovery
Maliha Aziz, Zoé Lacroix (Arizona State University, USA)

BWCCA C: Traffic Control and Filtering (Session Chair: Leonard Barolli)

Requirements for a Location-Based Access Control Model
Michael Decker (University of Karlsruhe, Germany)

Kalman-type Positioning Filters with Floor Plan Information
Tommi Perala, Simo Ali-Loytty (Tampere University of Technology, Finland)

TwUC A (Session Chair: Thomas Grill)

Group Organization Algorithm based on Trust and Reputation in Agent Society

Minsoo Kim, Minkoo Kim (Ajou University, Korea)

Patterns of Trust in Ubiquitous Environments

Bettina Biel (University of Leipzig, Germany), Thomas Grill (Johannes Kepler University Linz, Austria), Volker Gruhn (University of Leipzig, Germany)

Interaction Interfaces for Unrestricted Multimedia Interaction Descriptions

Jacek Chmielewski (Poznań University of Economics, Poland)

ARCH: Integration of Usability Asstributes in a Data Integration Framework

Christiane Dominovic (Vienna University of Economics and Business Administration, Austria)

Quality of Service (QoS) based Service Retrieval Engine

Hai Dong, **Farookh Khadeer Hussain**, Elizabeth Chang (Curtin University of Technology, Australia)

MDC A (Session Chair: Wolfram Woess)

Automated Web Performance Analysis, with a Special Focus on Prediction

Martin Pinzger (Johannes Kepler University Linz, Austria)

Identity in Massively Multiplayer Online Games: A Qualitative Pilot Study

Alex Meredith, Mark Griffiths, Monica Whitty (Nottingham Trent University, UK)

On Using Provenance Data to Increase the Reliability of Ubiquitous Computing Environments

Muhammad Imran, Karin Anna Hummel (University of Vienna, Austria)

Towards a Mashup-driven End-User Programming of SOA-based Applications

Tobias Nestler (SAP Research, Germany)

Tuesday: 14:00 – 15:30

iiWAS: XML Data Modelling and Processing 2 (Session Chair: Manolis Gergatsoulis)

Validation of Streaming XML Documents with Abstract State Machines

Klaus-Dieter Schewe (Information Science Research Centre, New Zealand), **Bernhard Thalheim** (University of Kiel, Germany),

Qing Wang (Information Science Research Centre, New Zealand)

An XQuery-based Trigger Service to Bring Consistency Management to Data Integration Systems

Jing Lu, Bernhard Mitschang (University of Stuttgart, Germany)

Multidimensional XPath

Nikolaos Foustieris (Ionian University, Greece), Yannis Stavrakas (IMIS, Greece), **Manolis Gergatsoulis** (Ionian University, Greece)

Query Based Optimal Web Site Clustering Using Simulated Annealing

Wookey Lee (Inha University, Korea), Young-Kuk Kim (Chungnam National University, Korea), Bok Sik Yoon (Hongik University, Korea), Jiang Jin Xi (Yanbian University, China)

MoMM: Mobile Data Management (Session Chair: Thomas C. Schmidt)

An Interaction Framework for Mobile Web Search

Gloria Bordogna (CNR-IDPA, Italy), Alessandro Campi (Politecnico di Milano, Italy), **Giuseppe Psaila**, Stefania Ronchi (Università di Bergamo, Italy)

Semantic Keyword-based Retrieval of Photos taken with Mobile Devices

Windson Viana, Samira Hammiche, Bogdan Moisuc, Marlène Villanova-Oliver, Jérôme Gensel, Hervé Martin (LIG - Laboratoire Informatique de Grenoble, France)

Method of Predicting Number of On-demand Video Requests Using Time Series Data for Video Cache System

Hiroyuki Kimiyama (NTT Network Innovation Laboratories, Japan), **Shuichi Itoh** (The University of Electro-communications Tokyo Japan)

RED B (Session Chair: Zoe Lacroix)

Querying Structured Information Sources on the Web

Sergio Mergen (Universidade Federal do Rio Grande do Sul, Brazil), **Juliana Freire** (University of Utah), **Carlos Alberto Heuser** (Universidade Federal do Rio Grande do Sul, Brazil)

BiOnMap: A Deductive Approach for Resource Discovery

Nadia Yacoubi Ayadi (National School of Computer Science, Tunisia), **Zoé Lacroix** (Translational Genomics Research Institute, USA), **Maria Esther Vidal** (Universidad Simón Bolívar, Venezuela)

Feature Logics Based Discovery and Composition of Biological Web Resources

François-Marie Colonna, **Omar Boucelma** (Aix-Marseille Université, France)

BWCCA D: P2P and Web Applications (Session Chair: Leonard Barolli)

Evaluation of SmartCard Webserver as an Application Platform from a User's Perspective

Gerald Madlmayr, **Dominik Brandlberger**, **Josef Langer** (NFC Research Lab, Austria), **Josef Scharinger** (Institute for Computational Perception, Austria)

A P2P System Based on JXTA-Overlay and Its Application for End-Device Control

Vladi Kolici (Polytechnic University of Tirana, Albania), **Keita Matsuo**, **Leonard Barolli** (Fukuoka Institute of Technology, Japan), **Fatos Xhafa** (Polytechnic University of Catalonia, Spain), **Arjan Durresi** (Indiana University Purdue University, USA), **Rozeta Miho** (Polytechnic University of Tirana, Albania)

Device and Service Descriptions for Ontology-based Ubiquitous Multimedia Services

Ning Li, **Abdelhak Attou**, **Suparna De**, **Klaus Moessner** (University of Surrey, UK)

Peer-to-Peer Algorithms for C2C Communication Systems

Vivian Prinz, **Michele Brocco**, **Wolfgang Woerndl** (Technische Universität München, Germany)

TwUC B (Session Chair: Thomas Grill)

A Survey on Context-Aware Workflow Adaptations

Sucha Smachet, **Chris Ling**, **Maria Indrawan** (Monash University, Australia)

Semantic-Based Exchanger of Electronic Medical Records

Lilac Al-Safadi (King Saud University, Saudi Arabia)

Approaching Context-Awareness for Open Intelligent Space

Patrice Roy, **Bessam Abdulrazak** (Université de Sherbrooke), **Yacine Belala** (INRS Énergie, Canada)

MDC B (Session Chair: Wolfram Woess)

The Architecture of a Web Service-Based Remote Control Service System

Xi Guo, **Paul W. H. Chung** (Loughborough University, UK)

Virtual Data Integration on the Web – Novel Methods for Accessing Heterogeneous and Distributed Data with Rich Semantics

Andreas Langegger (Johannes Kepler University Linz, Austria)

Usability Metric for Mobile Application: A Goal Question Metric (GQM) Approach

Azham Hussain, **Elaine Ferneley** (University of Salford, UK)

A Mobile Trusted Computing Architecture for a Near Field Communication Ecosystem

Gerald Madlmayr (Johannes Kepler University Linz, Austria)

ERPAS Security Issues (Session Chair: Meledath Damodaran)

Security in Web 2.0 Application Development

Ahmad A. Nouredine (Microlead Business Solutions, USA), **Meledath Damodaran** (University of Houston- Victoria, USA)

Third-Party Approach to Controlling Digital Copiers

Yasuhiro Fujii, Ryu Ebisawa, Yumiko Togashi, Takaaki Yamada, Yoshinori Honda, Seiichi Susaki (HITACHI Ltd. Systems Development Laboratory, Japan)

Crimeblips – Web Based Framework for Crime Incident Analysis and Visualization

Stefan Kovachev, Patrick Reichert, **Hendrik Speck** (FH Kaiserslautern, Germany)

Tuesday: 16:00 – 17:30

iiWAS: Information and Service Workflows (Session Chair: Gerhard Chroust)

Using Tuplespaces to Enact Petri Net-Based Workflow Definitions

Daniel Martin, Daniel Wutke, Frank Leymann (University of Stuttgart, Germany)

Exploiting A Database System in Scheduling Internet-based Workflows

Juha Puustjärvi (Helsinki University of Technology, Finland)

Towards a Context-Aware Solution for Device Failures in Service-Oriented Workflow

Chii Chang, Sea Ling (Monash University, Australia)

Presented by: **Maria Indrawan** (Monash University, Australia)

Enhanced Ranging using Adaptive Filter of ZIGBEE RSSI and LQI Measurement

Sharly Joana Halder, Tae-Young Choi, Jin-Hyung Park, Sung-Hun Kang, **Sin-Woo Park**, Joon-Goo Park (Kyungpook National University, Korea)

iiWAS: Ontology and Semantic Web (Session Chair: Andread Langeegger)

Towards Automated Web Service Composition with Fluent Calculus and Domain Ontologies

Ioan Salomie, **Viorica R. Chifu**, Ioana Harsa, Marius Gherga (Technical Univ. of Cluj-Napoca, Romania)

An Ontology Data Matching Method for Web Information Integration

Chao Wang, **Jie Lu**, Guangquan Zhang (University of Technology Sydney, Australia)

Context-Based Privacy Management of Personal Information Using Semantic Desktop: SemanticLIFE Case Study

Mansoor Ahmed, **Amin Anjomshoa**, A Min Tjoa (Vienna University of Technology, Austria)

Semantic Approach for Modelling an Assistive Environment using Description Logic

Rachid Kadouche, Sylvain Giroux, Bessam Abdulrazak (DOMUS Lab Universit_e de Sherbrooke), Mounir Mokhtari (Handicom Lab, INT GET, Evry, France)

iiWAS: Application and Beyond 1 (Session Chair: Daniel C. Doolan)

A WEB Interface for Hypersim-G Grid Simulation Package

Fatos Xhafa (Technical University of Catalonia, Spain), **Leonard Barolli** (Fukuoka Institute of Technology, Japan), David Martos (Technical University of Catalonia, Spain)

Exploiting SOA for Adaptive and Distributed Manufacturing with Cross Enterprise Shop Floor Commerce

Dinh Khoa Nguyen (University of Heidelberg, Germany), Domnic Savio (SAP Research, Germany)

Conceptual Framework for Services Creation/Development Environment in Telecom Domain

Natalia Kryvinska, Christine Strauss, Lukas Auer (University of Vienna, Austria), Peter Zinterhof (University of Salzburg, Austria)

GAINS-BI: Business Intelligent Approach for Greenhouse Gas and Air Pollution Interactions and Synergies Information System

Thanh Binh Nguyen, Wolfgang Schoepp and Fabian Wagner (International Institute for Applied Systems Analysis, Austria)

iiWAS: Application and Beyond 2 (Session Chair: Abdul Malik Al-Salman)

Model and SOA Solutions for Traceability in Logistic Chains

Ioan Salomie, Mihaela Dinsoreanu, **Cristina Bianca Pop**, Sorin Liviu Suciu (Technical University of Cluj-Napoca, Romania)

Implementation of Asynchronous Predictive Fetch to Improve the Performance of Ajax-Enabled Web Applications

*Andi Ahmad Dahlan, **Toshikazu Nishimura** (Ritsumeikan University, Japan)*

Engineering a Design Method for Web Content Management Implementations

***Jurriaan Souer**, Lutzen Luinenburg (GX, The Netherlands), Johan Versendaal, Inge van de Weerd, Sjaak Brinkkemper (Utrecht University, The Netherlands)*

Implementation of New Functions for Improving Learners Motivation in a Web-Based E-Learning System

*Keita Matsuo (Fukuoka Institute of Technology, Japan), **Leonard Barolli** (Fukuoka Institute of Technology, Japan), Fatos Xhafa (Polytechnic University of Catalonia, Spain), Akio Koyama (Yamagata University, Japan), Arjan Durrezi (IUPUI, USA)*

iiWAS: Short Papers 2 (Session Chair: Farookh Khadeer Hussain)

On-the-fly Collaboration in Distributed Systems through Service Semantic Overlay

***Devis Bianchini**, Valeria De Antonellis, Michele Melchiori, Denise Salvi (Università di Brescia, Italy)*

Flexible Approach for Representing ObjectOriented Databases in XML Format

*Taher Nasser (Bradford University), **Reda Alhajj** (University of Calgary), Mick Ridley (Bradford University)*

Composing Adaptable-Resources for Answering Complex Queries in Distributed Systems

***Yacine Sam**, Omar Boucelma (LSIS, Aix-Marseille Université, France)*

MoMM: Short Papers 2 (Session Chair: Maytham Safar)

Context-Aware Personalization for Mobile Multimedia Services

*Diana Weiß, **Markus Duchon**, Florian Fuchs, Claudia Linnhoff-Popien (Ludwig-Maximilians-University, Munich, Germany)*

Towards Alternative User Interfaces for Capturing and Managing Tasks with Mobile Devices

***Harald Radi** (Catalysts GmbH, Austria), Rene Mayrhofer (Vienna University, Austria)*

ERPAS: Database and Information Management 2 (Session Chair: Alfredo Milani)

Web-based Knowledge Database Construction Method for Supporting Design

***Kiyotaka Takahashi**, Aki Sugiyama, Yoshiki Shimomura, **Takeshi Tateyama**, Ryosuke Chiba (Tokyo Metropolitan University, Japan), Masaharu Yoshioka (Hokkaido University, Japan), Hideaki Takeda (National Institute of Informatics, Japan)*

Three Behavioral Models of Web Searching for Legal Information

***Michitsugu Yamauchi**, Akifumi Tokosumi (Tokyo Institute of Technology, Japan)*

A Retrieval Method for Similar Q&A Articles of Web Bulletin Board with Relevance Index derived from Commercial Web Search Engine

***Masanori Akiyoshi**, Koichi Iwai, Norihisa Komoda (Osaka University, Japan)*

A Retrieval Method of WEB Bulletin Board Articles using Other Users' Evaluation of Past Retrieval Results

***Koichi Iwai**, Yohei Sakurai, Masanori Akiyoshi, Norihisa Komoda (Osaka University, Japan)*

Combining Content Extraction Heuristics: The CombinE System

***Thomas Gottron** (Johannes Gutenberg-Universität Mainz, Germany)*

Wednesday, 26 November 2008

09:00	iiWAS2008/MoMM2008/Workshops sessions						
	<u>MoMM</u> [room: Rep A] <u><i>Security and Personalization Issues</i></u>	<u>MoMM</u> [room: Rep B] <u><i>Multimedia Streaming and Decoding 1</i></u>	<u>iiWAS</u> [room: Rep C] <u><i>Database and Data Warehouse</i></u>	<u>UWA A</u> [room: SZ 1]	<u>AAIDE A</u> [room: SZ 2]	<u>MoMM</u> [room: SZ 3] <u><i>Potpourri</i></u> <u><i>iiWAS</i></u> <u><i>Application and Beyond 3</i></u>	<u>ERPAS</u> [room: SZ 4] <u><i>Business and Service Model 1</i></u>
10:30	Coffee Break						
11:00	iiWAS2008/MoMM2008/Workshops Sessions						
	<u>MoMM</u> [room: Rep A] <u><i>Mobility Management</i></u>	<u>iiWAS</u> [room: Rep B] <u><i>Data Mining and Agents for Information Integration</i></u>	<u>iiWAS</u> [room: Rep C] <u><i>Context Aware Applications + Short Papers</i></u> <u><i>3</i></u>	<u>UWA B</u> [room: SZ 1]	<u>AAIDE B</u> [room: SZ 2]	<u>ERPAS</u> [room: SZ 3] <u><i>Multimedia Applications + Data Mining and Agents for Application</i></u>	<u>MDC C</u> [room: SZ 4]
12:30	Lunch						
14:00 – 14:30	CLOSING/BEST PAPER AWARD/JOURNAL SELECTION [room: Rep A + B + C]						

Wednesday: 09:00 – 10:30

iiWAS: Database and Data Warehouse (Session Chair: Toshiyuki Amagasa)

Algorithms for Efficient Structure-Based Grouping in XML-OLAP

Chantola Kit, Toshiyuki Amagasa, Hiroyuki Kitagawa (University of Tsukuba, Japan)

Data Warehouse Architecture for GIS Applications

Mohammad Rifaie (Bradford University, UK), **Erwin J. Blas, Abdel-Rahman M. Muhsen, Terrance T. H. Mok, Keivan Kianmehr, Reda Alhajj** (University of Calgary, Canada), **Mick J. Ridley** (Bradford University, UK)

Architecture of OMG MOF-based Repository Systems

Ilia Petrov, Alejandro Buchmann (Technische Universität Darmstadt, Germany)

UWA A (Session Chair: Wieland Schwinger)

An Evaluation of AJAX-enabled Java-based Web Application Frameworks

Tuukka Laakso, Joni Niemi (VTT Technical Research Centre of Finland, Finland)

A Tool for Modeling and Simulating Mobile Ad-hoc NETWORKS

Alessandro Bianchi, Sebastiano Pizzutilo (University of Bari, Italy)

Adaptive Search Engines as Discovery Games: an Evolutionary Approach

Alfredo Milani (University of Perugia, Italy), **Clement Leung, Alice Chan** (Hong Kong Baptist University)

A JXTA-based system for Smart Home

Hyosook Jung, Seongbin Park, Heejin Kim (Korea University Seoul, Korea), **Jinhyun Ahn** (KAIST Daejeon, Korea)

AAIDE A (Session Chair: Farookh Khadeer Hussain)

Versioning in Distributed Semantic Registries

Christoph Ludwig, Marc Wilhelm Küster (University of Applied Sciences, Germany), **Graham Moore** (Networked Planet, UK)

Towards Social Network based Ontology Evolution Wiki for an Ontology Evolution

Ahmed Aseeri, Pornpit Wongthongtham, Chen Wu, Farookh Khadeer Hussain (Curtin University of Technology, Australia)

Towards a Software Component Ontology

Alex Talevski, Pornpit Wongthongtham, Surasak Komchaliaw (Curtin University of Technology, Australia)

Presented by: **Farookh Khadeer Hussain** (Curtin University of Technology, Australia)

MoMM: Multimedia Streaming and Decoding (Session Chair: Natalia Kryvinska)

A Method to Reduce Waiting Time for P2P Streaming Systems

Yusuke Gotoh (Kyoto University, Japan), **Tomoki Yoshihisa** (Osaka University, Japan), **Masanori Kanazawa** (Kyoto University, Japan)

DCCP-based Multiple Retransmission Technique for Multimedia Streaming

Árpád Huszák, Sándor Imre (Budapest University of Technology and Economics, Hungary)

Mesh Based P2P Streaming Over MANETs

Nadia N Qadri, Majed Alhaisoni (University of Essex, UK), **Antonio Liotta** (Eindhoven University of Technology, The Netherlands)

Evaluation of Data-Parallel Splitting Approaches for H.264 Decoding

Florian H. Seitzner, Michael Bleyer, Ralf M. Schreier, Margrit Gelautz (Vienna University of Technology, Austria)

MoMM: Security and Personalization Issues (Session Chair: Gerald Madlmayr)

AuthoCast — A Protocol for Mobile Multicast Sender Authentication

Thomas C. Schmidt (HAW Hamburg, Germany), **Matthias Wählich** (Freie Universität Berlin, Germany), **Olaf Christ** (HAW Hamburg, Germany)

Determining a Parallel Session Attack on a Key Distribution Protocol using a Model Checker

Vladimir Pasca, Reiner Dojen, Anca Jurcut, Tom Coffey (University of Limerick, Ireland)

Personal Mobile Broadcasting based on the 3GPP MBMS System

Jani Peltotalo, Jarmo Harju, Marko Saukko, Lassi Väättäminen (Tampere University of Technology, Finland), Imed Bouazizi, Igor Curcio (Nokia Research Centre, Finland)

Leveraging Different Application Styles in Mobile Business

Ingrid Duda (University of Mannheim, Germany), **Markus Aleksy** (ABB Corporate Research Center, Germany), Martin Schader (University of Mannheim, Germany)

MoMM: Potpourri + iiWAS: Application and Beyond 3 (Session Chair: Tiina Heikkinen)

A Three-Tier Information Management Architecture for Mobile Grid Environments

Joachim Zottl, Günter Haring (University of Vienna, Austria), Gabriele Kotsis (Johannes Kepler University Linz, Austria)

Distributed Scheduling via Pricing with Partial Orthogonality

Tiina Heikkinen (University of Helsinki, Finland), Ari Hottinen (Nokia Research Center, Finland)

Skin Segmentation based on Cellular Learning Automata

Ahmad Ali Abin, Mehran Fotouhi, **Shohreh Kasaei** (Sharif University of Technology, Iran)

WEB-PerformCharts: A Collaborative Web-based tool for Test Case Generation from Statecharts

Alessandro Arantes (Aerospace Technological Center, Brazil), **Nandamudi Vijaykumar**, Valdivino Santiago Junior, Danielle Guimarães (National Institute for Space Research, Brazil)

Bridging Gaps by Cooperation Engineering

Gerhard Chroust (Johannes Kepler University Linz, Austria)

ERPAS: Business and Service Model 1 (Session Chair: Zaitun Abu Bakar)

Business Exploitation Cases for Providing Pervasiveness Services

Fernando Santos, José M. Oliveira (Universidade do Porto, Portugal), Renato Roque (Portugal Telecom Inovação, Portugal), Isabelle Korthals, Riccardo Pascotto (T-Systems Enterprise Services GmbH, Germany)

Challenges of Business Service Monitoring in the Internet of Services

Matthias Winkler, Jorge Cardoso (SAP Research), Gregor Scheithauer (Siemens AG, Germany)

IT-Supported Integration of Semi-Autonomous Mobile Machines and Processes into Business and Service Models

Christoph Loeser (Siemens AG, Germany), Ralf Trunko (Karlsruhe University, Germany), Thilo Steckel (CLAAS SFE GmbH, Germany), Kevin Podratz (Research Institute for Operations Management, Germany), **Emanuel Georgiew** (Siemens AG, Germany), Frieder Swoboda (CADsys, Germany)

Dynamic Service Integration using Web-based Workflows

Pedro Lopes, Joel Arrais and José Luís Oliveira (University of Aveiro, Portugal)

A Model-Prover for Constrained Dynamic Conversations

Diletta Cacciagrande, Flavio Corradini, **Rosario Culmone**, Luca Tesei, Leonardo Vito (University of Camerino, Italy)

Impact of Multimedia Instructional Materials on the Attainment of Higher Order Cognitive Skills: A Literature Review

Emily Bagarukayo (Makerere University, Uganda), Victor Mbarika (Southern University Baton Rouge, USA)

Wednesday: 11:00 – 12:30

iiWAS: Context Aware Applications + Short Papers 3 (Session Chair: Maria Indrawan)

A Middleware for Location-Based Mobile Applications with Privacy Protection

Oliver Jorns (Research Centre Telecommunication Vienna, Austria), Gerald Quirchmayr (University of Vienna, Austria)

Modeling Wireless Sensor Networks based Context-Aware Emergency Coordination Systems

Werner Kurschl, **Stefan Mitsch**, Johannes Schönböck (Upper Austria University of Applied Sciences, Austria), Wolfgang Beer (Software Competence Center Hagenberg GmbH, Austria)

ARNEIS: A Web-based Intelligent Repository of ICT Solutions for E-business
Anna Goy, Diego Magro, Federico Prato (Università di Torino, Italy)

iiWAS: Data Mining and Agents for Information Integration (Session Chair: Giuseppe Psaila)

A Neural Model for Unsupervised Taxonomy Enrichment
Emil Stefan Chifu, Ioan Alfred Letia (Technical Univ. of Cluj-Napoca, Romania)

INTERSYND: A Web Syndication Intermediary that Makes Recommendations
Adrian O'Riordan, Oliver O'Mahoney (University of College Cork, Ireland)

Geographical Information Retrieval System using Semantic Relationships between Multiple Layers
Tran Minh Duc, Toshikazu Nishimura (Ritsumeikan University, Japan)

MoMM: Mobility Management (Session Chair: Khaled Dridi)

Efficient Data Transmission in Service Workflows for Distributed Video Content Analysis
Dominik Seiler (University of Siegen, Germany), Steffen Heinzl, Ernst Juhnke, Ralph Ewerth (University of Marburg, Germany), Manfred Grauer (University of Siegen, Germany), Bernd Freisleben (University of Marburg, Germany)

Accurate Mobility Modeling and Location Prediction Based on Pattern Analysis of Handover Series in Mobile Networks
Péter Fülöp, Tamás Szálka, Sándor Szabó, Károly Lendvai, Sándor Imre (Budapest University of Technology and Economics, Hungary)

Mobility Management Algorithms for the Client-driven Mobility Frame System - Mobility from a Brand New Point of View
Péter Fülöp, Benedek Kovács, Sándor Imre (Budapest University of Technology and Economics, Hungary)

The Performance of the Modified MC-CDMA Inner Coding Scheme on High Mobility MIMO Wireless Systems
Rina Pudji Astuti, Andriyan B. Suksmono, Sugihartono, Adit Kurniawan (Institut Teknologi Bandung, Indonesia)

UWA B (Session Chair: Wieland Schwinger)

WebComposition/DGS: Dynamic Service Components for Web 2.0 Development
Martin Gaedke, Danilo Härtzer, Andreas Heil (Chemnitz University of Technology, Germany)

Mobile HolstenTour: Contextualized Multimedia Museum Guide
Bashar Al Takroui (Lancaster University, UK), Karen Detken, Carlos Martinez, Mari-Klara Oja, Steve Stein, Luo Zhu, Andreas Schrader (University of Lübeck, Germany)

“Wayang Authoring”: A Web-based Authoring Tool for Visual Storytelling for Children
Wahju Agung Widjanto (Atma Jaya Yogyakarta University, Indonesia), Michael Lund, Heidi Schelhowe (Bremen University, Germany)

AAIDE B (Session Chair: Farookh Khadeer Hussain)

Sustainability: a Health Industry Case Study
Peter Gall (Curtin University of Technology, Australia)
Presented by: **Farookh Hussain** (Curtin University of Technology, Australia)

Evaluation of Spam Detection and Prevention Frameworks for Email and Image Spam - A State of Art
Pedram Hayati, Vidyasagar Potdar (Curtin University of Technology, Australia)
Presented by: **Farookh Hussain** (Curtin University of Technology, Australia)

A Methodology for Quality-Based Mashup of Data Sources
Muhammad Raza, Farookh Khadeer Hussain, Elizabeth Chang (Curtin University of Technology, Australia)

ERPAS Multimedia Applications + Data Mining and Agents for Applications (Session Chair: Wenny Rahayu)

SpeechKit: A Multimedia Speech Tool
David Calder (Curtin University of Technology, Australia)
Presented by: **Farookh Khadeer Hussain**

The Virtual Panorama: A Case Study in HCI

Sven Stauber, Philipp Bönhof, Jürg Gutknecht (*Computer Systems Institute, ETHZ, Switzerland*)

The IP-Multimedia Subsystem with an e-Learning Management System and Integrated Video Conferencing
Michael Massoth, Roman Korn (*University of Applied Science Darmstadt, Germany*)

Comparison of Stereo Displaying Techniques in POV-Ray 3D Generated Scenes
Skala Tibor, Todorovac Mirsad (*University of Zagreb, Croatia*)

A Web-Based DSS for the Evaluation of an ERP System
Zaitun Abu Bakar, Zaini Zainol (*University of Malaya, Malaysia*)

Combining FIPA Agents and Web Services for the Design of Tailorable Groupware Architecture
Nader Cheaib, Samir Otmane, Malik Mallem (*University of Evry, France*)