

<Date 'November 8-9-10 - 2010' /> ★ <Venue 'FRANCE @ Paris-Gennevilliers' />

<http://www.iiwas.org>

The 12th International Conference on Information Integration and Web-based Applications & Services



The 8th International Conference on
Advances in Mobile Computing
and Multimedia



The International Conference on
Ambient Systems, Networks and Technologies



PROGRAM BOOK

0011 0001 0001 1100
1001 1000 1100 0001

0001 0110 0111 0001
1100 1111 0001 1000



Monday, 8 November 2010

08:30 – 09:30

Opening of the registration desk (Hall)

09:30 – 11:30

room:
Amphi 1

Opening

Françoise Moulin Civil (President of the University of Cergy-Pontoise, France)
Pascal Binczak (President of the University of Paris 8, France)
Jean-Pierre Chevalier (Chair of the IUFM of Versailles, France)
Imad Saleh (University of Paris 8 and University of Cergy-Pontoise, France)

10 years Talk

Gabriele Kotsis (Johannes Kepler University Linz, Austria)

Keynote 1

Pervasive Computing in the Large: Socio-Technical Fabric
Alois Ferscha (Pervasive Computing Institute, Johannes Kepler University Linz, Austria)

11:30 – 12:00

Coffee Break (Hall)

12:00 – 13:00

room:
Amphi 1

Keynote 2

On Botnets
Won Kim (Kyungwon University, Korea)

13:00 – 14:00

Lunch (Restaurant CROUS)

Monday, 8 November 2010

iiWAS/MoMM Tutorails and ANT Keynote

14:00 – 15:30

Tutorial I

room: J149

Video Networking: Trends and Challenges

Christos Grecos, Qi Wang (University of the West of Scotland, United Kingdom)

Tutorial II

room: J135

Grid data management: Challenges and Opportunities

Maria Indrawan (Monash University, Australia)

Tutorial III

room: J136

Engineering Context-Aware Mobile Applications: Insight from two perspectives

Markus Aleksy (ABB AG, Corporate Research Center, Germany)

Tutorial IV

room:

Meeting room

Organizing Services for a Changing Environment

Frank Dignum (Utrecht University, The Netherlands), **Julia Padget** (University of Bath, United Kingdom), **Wamberto Vasconcelos** (University of Aberdeen, United Kingdom)

ANT Keynote

room: Amphi 1

Resource Management in Broadband Wireless Access Networks

Hossam Hassanein (Queen's University, Canada)

15:30 – 16:00

Coffee Break

Monday, 8 November 2010

Session

16:00 – 17:30

iWAS

Web Services 1

The Reliability of Web Services Atomic Commitment Protocols
Juha Puustjarvi (*Helsinki University of Technology, Finland*)

A Sampling-Based Approach to Identify QoS for Web Service Orchestrations
Eduardo Blanco, Yudith Cardinale, Maria Esther Vidal (*Universidad Simon Bolivar, Venezuela*)

Session Chair: **Keyvan Mohebbi**, Suhaimi Ibrahim, Mojtaba Khezrian, Kanmani Munusamy, Sayed Gholam Hassan Tabatabaei (*Universiti Teknologi Malaysia, Malaysia*)
 Isis Truck

room: Amphi 1
 Selecting the Optimal Web Service Composition based on a Multi-Criteria Bee-inspired Method
Viorica Rozina Chifu, Cristina Bianca Pop, Ioan Salomie, Mihaela Dinsoreanu, Alexandru Nicolae Niculici, Dumitru Samuel Suia (*Technical University of Cluj-Napoca, Romania*)

An Evaluation of Process Mediation Approaches in Web Services
Kanmani Munusamy, Suhaimi Ibrahim, Mojtaba Khezrian, Keyvan Mohebbi, Sayed Gholam Hassan Tabatabaei (*Universiti Teknologi Malaysia, Malaysia*)

A Dynamic Web Service-based Trust and Reputation Scheme for Scientific Workflows
George Hadjichristofi (*University of Cyprus, Italy*), Mariagrazia Fugini (*Politecnico di Milano, Italy*)

17:30 – 17:45

Group Photo

17:45 – 20:00

Welcome Reception @ the City Hall of Genevilliers

Monday, 8 November 2010

Session

16:00 – 17:30

MoMM

Mobile
Multimedia
Security

Implementation of Remote System Using Touchless Palmprint Recognition Algorithm
Haruki Ota, Ryu Watanabe (*KDDI R&D Laboratories, Inc., Japan*), Koichi Ito (*Tohoku University, Japan*), Toshiaki Tanaka (*KDDI R&D Laboratories, Inc., Japan*), Takafumi Aoki (*Tohoku University, Japan*)

Adaptive Approach to Fingerprint Image Enhancement
Li Wang, Nandita Bhattacharjee, Gopal Gupta, Bala Srinivasan (*Monash University, Australia*)

Increasing Error Tolerance in Biometric Systems
Parman Sukarno, Mieng Phu, Nandita Bhattacharjee, Bala Srinivasan (*Monash University, Australia*)

Session Chair: **Zreik Khaldoun**

VoIP: Making Secure Calls and Maintaining High Call Quality
Pedram Radmand, Jaipal Singh (*Curtin University of Technology, Australia*), Marc Domingo, Joan Arnedo (*Estudis d'Informàtica, Multimèdia i Telecomunicació, Spain*), Alex Talevski (*Curtin University of Technology, Australia*)

room: Meeting room

Protection through Multimedia CAPTCHAS
Wesam Al-Sudani, Amit Gill (*La Trobe University, Australia*), Jidong Wang (*RMIT University, Australia*), Fei Liu (*La Trobe University, Australia*)

Video Streaming Security: Reliable Hash Chain Mechanism Using Redundancy Codes
Emad Abd Elrahman, Hossam Afifi (*Telecom Sud Paris, France*)

17:00 – 17:30

Group Photo

17:30 – 20:00

Welcome Reception

Monday, 8 November 2010

Session

16:00 – 17:30

Mobile Networks

Session Chair:
Stephan Olariu

room: J135

MoMM

An Interest-Based Load Balancing Mechanism for the Service Distribution Protocol in MANETs
Mohamed Hamdy, Birgitta König-Ries (Friedrich-Schiller-University of Jena, Germany)

Solving the MANET auto configuration problem using the 802.11 SSID field
José Villanueva, Carlos T. Calafate, Juan-Carlos Cano, Pietro Manzoni (Universidad Politécnica de Valencia, Spain)

CMAB: Cross Layer Mobility-Adaptive Broadcasting in Mobile Ad hoc Networks
Shagufa Henna, Thomas Erlebach (University of Leicester, United Kingdom)

A Time-critical Information Diffusion Model In VANETs
Gongjun Yan (Indiana University Kokomo, USA), Syed Rizvi, Stephan Olariu (Old Dominion University, USA)

Multimedia Data in Hybrid Mobile P2P Networks
Bo Xu, Ouri Wolfson, Jie Lin (University of Illinois at Chicago, USA)

17:00 – 17:30

Group Photo

17:30 – 20:00

Welcome Reception

Monday, 8 November 2010

Session

16:00 – 17:30

IoS & AIIDE

Session Chair:
Farookh Hussain

room: J149

Workshops

IoS
Design of a Model-Generated Repository as a Service for USDL
Keith Duddy, Michael Henderson, Alejandro Metke-Jimenez, Jim Steel (Queensland University of Technology, Australia)

Formalizing Copyright for the Internet of Services
Christian Baumann (SAP Research Center Karlsruhe, Germany), Christian Loës (Karlsruhe Institute of Technology, Germany)

Towards a reusable and executable Pricing Model in the Internet of Services
Tom Kiemes, Daniel Oberle (SAP Research Center Karlsruhe, Germany), Francesco Novelli (SAP Research Center Darmstadt, Germany)

AIIDE
A Framework for Creating a Sustainable Community in Virtual Environments
Olivia Fachrunnisa, Farookh Hussain (Curtin University, Australia)

Trust Based Security for Cognitive Radio Networks
Sazia Parvin, Song Han, Farookh Hussain, Abdullah Al Faruque (Curtin University, Australia)

17:00 – 17:30

Group Photo

17:30 – 20:00

Welcome Reception

Monday, 8 November 2010

Session

16:00 – 17:30

Ambient Systems

Session Chair:
Sami Habib

room: J136

ANT

An Alternative Approach For Modeling Ambient Intelligent Environments
Gabriel Becerra, Rob Kremer (*University of Calgary, Canada*)

Self-Organization in Ambient Networks through Molecular Assembly
Sami J. Habib, Paulvanna N. Marimuthu, Mohammed Taha (*Kuwait University, Kuwait*)

Multi-Criteria Decision Making in Ambient Environment
Petr Tucnik, Karel Mls (*University of Hradec Kralove, Czech Republic*)

Diagnosis of Ambient Systems Based on the Modeling of Effects
Ahmed Mohamed, Christophe Jacquet (*SUPELEC Systems Sciences, France*), Yacine Bellik (*LIMSI-CNRS, France*)

Self-Adaptive Routing for Ambient-Oriented Wireless Sensor Networks
Khaled Daabaj (*Murdoch University, Australia*), Tarek R. Sheltami (*King Fahd University of Petroleum and Minerals, Saudi Arabia*), Hussein Mouftah (*University of Ottawa, Canada*)

Developing Ambient Intelligence Applications for the Assisted Living of the Elderly
Edgardo Aviles-Lopez, J. Antonio Garcia-Macias, Ismael Villanueva-Miranda (*CICESE Research Center, Mexico*)

Service Oriented Computing for Ambient Intelligence to Support Management of Transport Infrastructures
Raffaele D. Amicis, Giuseppe Conti, Stefano Piffer, Federico Prandi (*Universidade de Sao Paulo, Brazil*)

17:00 – 17:30

Group Photo

17:30 – 20:00

Welcome Reception

Tuesday, 9 November 2010

Keynotes and Industrial Presentation

9:30 – 10:30

Keynote I Taking VANET to the Clouds
room: Amphi 1 **Stephan Olariu** (*Old Dominion University, USA*)

Keynote II Building a Curated Database for Maritime Research
room: J135 **Stephane Bressan** (*National University of Singapore, Singapore*)

Keynote ANT Ambient Networks and Their Composition
room: J136 **Roch Glitho** (*Concordia University, Canada*)

Industrial Presentation Towards user generated applications on the Internet-of-Things (IoT): Ambient Assistive Living and DIY applications as first proof points
room: Meeting Room **Lieven Trappeniers** (*Ambient Media department Alcatel-Lucent Bell-Labs, Belgium*)

10:30 – 11:00

Coffee Break

Tuesday, 9 November 2010

Session

11:00 – 13:00

Web Services 2

Non-functional Concerns in Web Services: Requirements and State of the Art Analysis
Benjamin Schmeling, Anis Charfi (*SAP Research Center Darmstadt, Germany*),
Mira Mezini (*TU Darmstadt, Germany*)

Towards an approach of formal verification of mediation protocol based on Web services
Mohamed Graiet (*MIRACL, Tunisia*), Raoudha Maraoui (*Faculty of Sciences of Monastir, Tunisia*),
Mourad Kmimech (*LIUPPA, France*), Mohamed Tahar Bhiri (*MIRACL, Tunisia*), Walid Gaaloul
(*Computer Science Department Telecom SudParis, France*)

Enabling Trust-Aware Semantic Web Service Selection - A Flexible and Personalized Approach
Friederike Klan, Birgitta König-Ries (*Friedrich-Schiller-University of Jena, Germany*)

Coordinating Business Web Services
Bilal Choudry, Jinli Cao (*La Trobe University, Australia*)

Fault Handling and Recovery in Decentralized Services Orchestration
Weihai Yu (*University of Tromsø, Norway*)

Session Chair:
Benjamin Schmeling

room: J135

iWAS

13:00 – 14:00

Lunch

Tuesday, 9 November 2010

Session

11:00 – 13:00

Extracting XML Data from the Web
Ngo Sy Viet Phu, Toshiyuki Amagasa, Hiroyuki Kitagawa (*University of Tsukuba, Japan*)

Result Reconstruction Approach for More Effective XML Fragment Search
Atsushi Keyaki, Kenji Hatano (*Doshisha University, Japan*), Jun Miyazaki (*Nara Institute of Science and Technology, Japan*)

Using XML for Cloud Specification and XQuery for Service Discovery
Hui Ma (*Victoria University of Wellington, New Zealand*), Klaus-Dieter Schewe (*Software Competence Center, Austria*), Huayang Xie (*Victoria University of Wellington, New Zealand*)

XCDL: an XML-Oriented Visual Composition Definition Language
Gilbert Tekli (*Jean Monnet University, France*), Richard Chbeir (*Bourgogne University, France*),
Jacques Fayolle (*Jean Monnet University, France*)

Session Chair:
Samuel Szoniecky

room: J149

iWAS

13:00 – 14:40

Lunch (Restaurant CROUS)

Tuesday, 9 November 2010

Session

11:00 – 13:00

MoMM

Communications and Networks

Seamless Semantic Service Provisioning Mechanism For Ambient Assisted Living
Muzaaliff W. Musa, Mounir Mokhtari, Borhanuddin M. Ali, MFA Rasid (*Universiti Putra Malaysia, Malaysia*), Mahmoud Ghorbel (*Alcatel Lucent Bell Labs, France*)

A Two-layered Model for Scalable, Heterogeneous Group Communications
Isamu Tsuneizumi, Ailixier Aikebaier, Makoto Ikeda (*Seikei University, Japan*), Tomoya Enokido (*Risho University, Japan*), Makoto Takizawa (*Seikei University, Japan*), S. Misbah Deen (*Keele University, United Kingdom*)

Session Chair:
Yusuke Gotoh

A Method to Reduce Waiting Time for Continuous Media Data Broadcasting Considering Internet Advertisements
Yusuke Gotoh (*Okayama University, Japan*), Tomoki Yoshihisa (*Osaka University, Japan*), Hideo Taniguchi (*Okayama University, Japan*), Masanori Kanazawa (*The Kyoto College of Graduate Studies for Informatics, Japan*)

room:
J136

Cross-Layer Integrated Mobility and Service Management Utilizing Smart Routers In Mobile IPv6 Systems
Weiping He, Ing-Ray Chen (*Virginia Tech, USA*), Ding-Chau Wang (*Southern Taiwan University, Taiwan*)

Seamless Handover Management Scheme under Multi-rate WLANs
Kazuya Tsukamoto, Yuji Oiey (*Kyushu Institute of Technology, Japan*), Shigeru Kashihara (*Nara Institute of Science and Technology, Japan*), Yuzo Taenaka (*University of Tokyo, Japan*)

13:00 – 14:00

Lunch

Tuesday, 9 November 2010

Session

11:00 – 13:00

TwUc

Managing User Trust for self-adaptive Ubiquitous Computing Systems
Karin Leichtenstern, Elisabeth André, Akatarina Kurdyukova (*Augsburg University, Germany*)

Anonymous, Secure and Fair Protocol to Access Location-Based Services Subject to Payment
Andreu Pere Isern-Deyà, M. Magdalena Payeras-Capellà (*Universitat de les Illes Balears, Spain*)

An Effective Defense Mechanism against DoS/DDoS Attacks in Flow-based routers
PyungKoo Park, SangJin Hong (*ETRI, Korea*), HeeKyoung Yi, JaeCheul Ryu (*Chungnam National University, Korea*)

Session Chair:
Thomas Grill

QR Code Security
Peter Kieseberg, Martin Mulazzani, Lindsay Munroe, Sebastian Schrittwieser, Mayank Sinha, Edgar Weippl (*SBA Research, Austria*)

room:
Meeting room

Trust-centered Design for Multi-Display Applications
Katja Kurdyukova, Elisabeth André, Karin Leichtenstern (*Augsburg University, Germany*)

Hierarchical Role Classification based on Social Behavior Analysis
Min-Feng Wang, Yi-Ling Kuo, Meng-Feng Tsai, Cheng-Hsien Tang (*National Central University, Taiwan*), Kuiyun Huang (*Academia Sinica, Taiwan*)

Security Framework for Mobile Banking
Dasun Weerasinghe, Veselin Rakocevic, Muttukrishnan Rajarajan (*City University London, United Kingdom*)

A Biometric-Based Authentication System for Web Services Mobile User
Arwa Al-Hussain, Ihab Alrassan (*King Saud University, Arabia*)

13:00 – 14:00

Lunch

Tuesday, 9 November 2010

Session

11:00 – 13:00

Context-aware, smart systems and mobile applications

Session Chair: Takahiro Hara

room: Amphitheater 1

ANT

Making Places Legible: Ontology Support for Context-Aware Applications in Place-Based Virtual Communities
Tuan Nguyen, Seng Loke, Torab Torabi, Hongen Lu (*La Trobe University, Australia*)

A Contents Comparison Interface for Collaborative Web Search Using Multiple Mobile Devices
Daijiro Komaki, Azusa Oku (*Osaka University, Japan*), Yuki Arase (*Microsoft Research Asia, China*), Takahiro Hara (*Osaka University, Japan*), Toshiaki Uemukai, Gen Hattori (*KDDI R&D Laboratories Inc., Japan*), Shojiro Nishio (*Osaka University, Japan*)

An Evaluation Framework for Situation Aware Ambient Intelligence Systems
Mario Buchmayr (*Research Center Hagenberg, Austria*), Werner Kursch (*Upper Austria University of Applied Sciences, Austria*)

Highly Mobile Query Processing

Thierry Delot (*University Lille North of France, France*), Sergio Ilarri (*University of Zaragoza, Spain*), Marie Thilliez (*University Lille North of France, France*), Genevieve Vargas-Solar (*CNRS, LIG-LAFMIA, France*), Mickael Bellengier (*University Lille North of France, France*)

Mobile Phone Interface for Browsing Digital Content Based on Magnifying Glass Metaphor
Daiji Yamashita, Daewoong Kim, Taketoshi Ushiyama (*Kyushu University, Japan*)

A Smart Building Services Gateway for Visual- and Contextual Information Exchange and for Control
Stefan Knauth (*Stuttgart University of Applied Sciences, Germany*)

User Needs Identification for a Smart Cognitive Assistant based on Participatory Design
Pierre-Yves Groussard, Helene Pigot, Sylvain Giroux (*Université de Sherbrooke, Canada*), Nadja Kara (*École de Technologie Supérieure, Canada*)

13:00 – 14:00

Lunch (Crous Restaurant)

Tuesday, 9 November 2010

Session

14:00 – 15:30

Web Applications

Session Chair: Farookh Hussain

room: Amphitheater 1

iiWAS

Rich-IDM: Extending IDM to Model Rich Internet Applications
Andrea Pandurino (*University of Salento, Italy*), Davide Bolchini (*Indiana University, USA*), Luca Mainetti, Roberto Paiano (*University of Salento, Italy*)

Introducing Contexts into Personalized Web Applications
Sofiane Abbar, Mokrane Bouzeghoub, Stéphane Lopes (*Versailles University, France*)

A Web-Based Renewable Energy Monitoring and Management System
A. Jafari, P. Padmanabh, G. Banhazi, D. Rapka, F. Lee, K. Andapally (*NYIT, U.S.A*)

A Proposal for Ontology-based Integration of Heterogeneous Decision Support Systems for Structural Health Monitoring
Stefan Anderlik, Reinhard Stumptner (*Johannes Kepler University, Austria*), Bernhard Freudenthaler (*Software Competence Center Hagenberg, Austria*), Martin Fritz (*Vienna Consulting Engineers, Austria*)

Modeling a Web Site Quality-based Recommendation System
Edelweis Rohrer, Regina Motz (*Universidad de la Republica, Uruguay*), Alicia Diaz (*Universidad Nacional de la Plata, Uruguay*)

Air-Writing: A Platform for Scalable, Privacy-Preserving, Spatial Group Messaging
Rene Mayrhofer (*Upper Austria University of Applied Sciences, Austria*), Alexander Sommer, Sinan Saral (*University of Vienna, Austria*)

15:30 – 16:00

Coffee Break

Tuesday, 9 November 2010

Session

14:00 – 15:30

iWAS

Security Issues

Experimental analysis of attacks against Web services and countermeasures
Ghourabi Abdallah, Tarek Abbas, Adel Bouhola (*University of 7th November at Carthage, Tunisia*)

A Novel Client-Based Approach for Signing and Checking Web Forms by Using XML Against DoS Attacks
Kazim Sarikaya (*TOBB ETU University, Turkey*), Duygu Sarikaya (*TOBB ETU University, Turkey*), Tamer N. Jarada, Shang Gao (*University of Calgary, Canada*), Tansel Özyer, (*TOBB ETU University, Turkey*), Reda Alhajj (*University of Calgary, Canada*)

Session Chair: Jidong Wang

Web Phishing Detection Using Classifier Ensemble
Nuttapong Sanglerdsinlapachai (*Kasetsart University and National Electronics and Computer Technology Center, Thailand*), Arnon Rungsawang (*Kasetsart University, Thailand*)

room: J135

Detecting Misbehaving Nodes in MANETs
Nan Kang, Elhadi M. Shakshuki (*Acadia University, Canada*), Tarek R. Sheltami (*King Fahd University of Petroleum and Minerals, Saudi Arabia*)

Information Security Activities Model per e-Government Service Promotion Stage
Dong-Woo Seo, Wan S Yi, Kang shin Lee (*Korea Internet & Security Agency, Korea*)

15:30 – 16:00

Coffee Break

Tuesday, 9 November 2010

Session

14:00 – 15:30

MoMM

Mobile Applications

Uncertain Personal Advertisement Allocation for Mobile TV
Ron Adany, Sarit Kraus (*Bar-Ilan University, Israel*), Fernando Ordonez (*University of Chile, Chile*)

Supporting Service Processes with Semantic Mobile Applications
Markus Aleksy, Bernd Stieger (*ABB Corporate Research, Germany*)

FreeGaming: Mobile, Collaborative, Adaptive and Augmented ExerGaming
Levent Görgü, Abraham G. Campbell (*University College Dublin, Ireland*), Kealan McCusker (*Dublin City University, Ireland*), Mauro Dragone, Michael J. O'Grady (*University College Dublin, Ireland*), Noel O'Connor (*Dublin City University, Ireland*), Gregory M.P. O'Hare (*University College Dublin, Ireland*)

Session Chair: Markus Aleksy

The Human Side of Regulation: Emergency Alerts
Helena Mitchell, Jeremy Johnson, Salimah LaForce (*Wireless RERC, USA*)

Smart Mobile Media Services: Consumer Intention Model
Philip O'Reilly (*University College Cork, Ireland*), Aidan Duane (*Waterford Institute of Technology, Ireland*)

room: J149

Enhancing Language Learning and Translation with Ubiquitous Applications
Bartholomäus Wloka, Werner Winiwarter (*University of Vienna, Austria*)

15:30 – 16:00

Coffee Break

Tuesday, 9 November 2010

Session

14:00 – 15:30

Social Networks and Mashups

Session Chair:
Abderrezak
Dourari

room: J136

iiWAS

Extracting the Gist of Social Network Services Using Wikipedia
Akiyo Nadamoto (Konan University, Japan), Eiji Aramaki (*The University of Tokyo, Japan*), Takeshi Abekawa (*National Institute Informatics, Japan*), Yohei Murakami (*National Institute Information and Communications Technology, Japan*)

Web Mashup Makers for Casual Users: A User Experiment
Wael Al Sarraj, Olga De Troyer (*Vrije Universiteit Brussel, Belgium*)

Semantic-driven Mashup Design
Devis Bianchini, Valeria De Antonellis, Michele Melchiori (*Universita degli Studi di Brescia, Italy*)

Collaborative Development of Trusted Mashups
Ronan Fox, James Cooley, Manfred Hauswirth (*National University of Ireland, Ireland*)

On Integrating Heterogeneous Lifelog Services
Akira Shimojo, Saori Kamada, Shinsuke Matsumoto, Masahide Nakamura (*Kobe University, Japan*)

15:30 – 16:00

Coffee Break

Tuesday, 9 November 2010

Session

14:00 – 15:30

Wireless Sensor Networks

Session Chair:
Hakima Chaouchi

room:
Meeting room

ANT

An Enhanced S-MAC Protocol with Sleeping Mode for Wireless Sensor Networks
Ibrahim Ammar (*Informatics and Media University of Bradford, England*), Irfan Awan (*University of Bradford, Saudi Arabia*), Geyong Min (*Informatics and Media University of Bradford, England*)

Energy-aware and Fast Handoff relying on Wireless Sensor/Actuator Networks and RFID
Apostolia Papapostolou, Hakima Chaouchi (*Telecom Sudparis, France*)

Multi-hop Available Bandwidth Estimation Based on General Link in Wireless Mesh Network
Lin Cui, Weijia Jia (*City University of Hong Kong, China*)

Routing Prediction of Probabilistic Mobility Model using Extreme Learning Machine for Ad-Hoc Networks
Mohammad R. Rafiq, Tarek R. Sheltami, Lahouri Ghouti, Ashraf S. H. Mahmoud (*King Fahd University of Petroleum and Minerals, Saudi Arabia*)

A Contention Free Multi-Channel MAC Protocol With Improved Negotiation Efficiency for Wireless Ad-hoc Networks
Abdulahman Arafah, Feras C. Oughali, Tarek R. Sheltami, Ashraf S. H. Mahmoud (*King Fahd University of Petroleum and Minerals, Saudi Arabia*), Khaled Daabaj (*Murdoch University, Australia*)

A Methodology to Optimize Query in Wireless Sensor Networks Using Historical Data
Haroon Malik (*Queen's University, Canada*), Ahsan Samad (*Ghulam Ishaq Khan Institute of Engineering and Technology, Pakistan*)

15:30 – 16:00

Coffee Break (Hall)

Tuesday, 9 November 2010

Session

16:00 – 17:30

Web Databases

Novel Algorithm for Enhancing Database Access in Interactive Applications: Performance Evaluation
Nawar Al Hakeem, Mohamed Salem (University of Wollongong in Dubai, UAE)

Query Processing in a Three-level Ontology-Based Data Integration System
Joao C. Pinheiro (Universidade Federal do Ceara, Brazil), Vania M. P. Vidal, Jose A. F. Macedo, Eveline R. Sacramento (Universidade Federal do Ceara, Brazil), Marco A. Casanova (PUC-Rio, Brazil), Fabio A. M. Porto (LNCC, Brazil)

Semantic Aware RSS Query Algebra
Fekade Getahun Tadesse, Richard Chbeir (Universite de Bourgogne, France)

Session Chair:
Wenny Rahayu

A Powerful Visual Formalism for XML Data
Mourad Ykhlef (King Saud University, Kingdom of Saudi Arabia)

room: Amphi 1

Mapping Rules for Converting from ODL to XML Schemas
Tamer N. Jarada, Kelvin Chung, Armen Shimoan (University of Calgary, Canada), Panagiotis Karampelas (Hellenic American University, Greece), Reda Alhaji, Jon Rokne (University of Calgary, Canada)

XCREAM: Collaborative Middleware Framework for RFID/USN-Enabled Applications
Kyungeun Park, Jekuk Yun (Towson University, USA), Juno Chang (Sangmyung University, Rep. of Korea)

19:30 – 22:30 Conference Dinner

iWAS

Tuesday, 9 November 2010

Session

16:00 – 17:30

Semantic Web

Complex Mapping Discovery for Semantic Process Model Alignment
Ahmed Gater, Daniela Grigori, Mokrane Bouzeghoub (PRISM Labs, CNRS & Versailles university, France)

Aletheia - An Architecture for Semantic Federation of Product Information from Structured and Unstructured Sources
Matthias Wauer, Daniel Schuster (TU Dresden, Germany), Johannes Meinecke (SAP Research CEC Dresden, Germany)

Session Chair:
Hakim Hachour

Defining User-Generated Services in a Semantically-Enabled Mobile Platform
Marcin Davies (Telecommunications Research Center Vienna (FTW), Austria), François Carrez (University of Surrey, UK), Diego Urdiales (Telefónica I+D, Spain), Anna Fensel (Telecommunications Research Center Vienna (FTW), Austria), Maribel Narganes (Tecnalia-Telecom, Spain), José Danado (YDreams, Portugal)

room:
Meeting room

RDF Packages: A Scheme for Efficient Reasoning and Querying over Large-Scale RDF Data
Shohei Ohsawa, Toshiyuki Amagasa, Hiroyuki Kitagawa (University of Tsukuba, Japan)

Computing Information Value from RDF Graph Properties
Sinan al-Saffar (Pacific Northwest National Laboratory, USA), Gregory Heileman (University of New Mexico, USA)

A Self-Organized Semantic Storage Service
Hannes Mühleisen, Anne Augustin, Tilman Walther, Marko Harasic, Kia Teymourian, Robert Tolksdorf (Freie Universität Berlin, Germany)

19:30 – 22:30

Conference Dinner

iWAS

Tuesday, 9 November 2010

Session

16:00 – 17:30

Multimedia

Multimedia Metadata Mapping: Towards Helping Developers in Their Integration Task
Samir Amir, Ioan Marius Bilasco, Taner Danisman, Ismail El sayad, Chabane Djeraba (*University of Lille1 and Telecom-Lille1, France*)

Toward A Higher-Level Visual Representation For Content-Based Image Retrieval
Ismael El Sayad, Jean Martinet, Thierry Urruty, Samir Amir, Chabane Djeraba (*University of Lille1 and Telecom-Lille1, France*)

Session Chair:
Wolfgang Beer

GeoPointer - Approaching tangible augmentation of the real world
Wolfgang Beer (*Software Competence Center Hagenberg, Austria*)

room: J135

On the Impact of the GOP Size in an H.264/AVC-to-SVC Transcoder with Temporal Scalability
Rosario Garrido-Cantos (*University of Castilla-La Mancha, Spain*), Jan De Cock (*Ghent University, Belgium*), José Luis Martínez (*University of Castilla-La Mancha, Spain*), Sebastiaan Van Leuven (*Ghent University, Belgium*), Pedro Cuenca, Antonio Garrido (*University of Castilla-La Mancha, Spain*), Rik Van de Walle (*Ghent University, Belgium*)

Flexible GOP Transcoding Between DVC AND H.264
Alberto Corrales-garcia, Jose Luis Martinez, Francisco Jose Quiles (*University of Castilla-La Mancha, Spain*)

A new clustering scheme for wireless sensor networks with mobile sinks
Hajar Mousannif, Said Rakrak, Hassan Al Moatassime (*Cadi Ayyad University, Morocco*)

19:30 – 22:30

Conference Dinner

MoMM

Tuesday, 9 November 2010

Session

16:00 – 17:30

Education and Learning

Exploiting Learning Object Ontology in Building Personal Curricula for Pharmacists
Juha Puustjärvi (*Helsinki University of Technology, Finland*), Leena Puustjärvi (*The Pharmacy of Kaivopuisto, Finland*)

Second Life for Illiterates: A 3D Virtual World Platform for Adult Basic Education
Tassawar Iqbal (*Vienna University of Technology, Austria*), Klaus Hammermüller (*Talkademy, Austria*), A Min Tjoa (*Vienna University of Technology, Austria*)

Session Chair:
Juha Puustjärvi

Natural Language Processing Technologies for Developing a Language Learning Environment
Harald Wahl (*UAS Technikum Wien, Austria*), Werner Winiwarter, Gerald Quirchmayr (*University of Vienna, Austria*)

room: J136

A collaborative learning environment for a biology practical work
Djamila Mechta (*Universite Ferhat Abbas Setif, Algeria*), Saad Harous (*University of UAEU, UAE*), Mahieddine Djoudi (*Universite de Poitiers, France*), Amel Douar (*Universite Ferhat Abbas Setif, Algeria*)

Automatic Linguistic Knowledge Acquisition for Web-based Translation and Language Learning
Werner Winiwarter (*University of Vienna, Austria*)

XMLGuide: an open format language for audio guide
Wojciech R. Wiza (*Poznan University of Economics, Poland*)

19:30 – 22:30

Conference Dinner

iiWAS

Tuesday, 9 November 2010

Session

16:00 – 17:30

Ubiquitous and Pervasive Systems

Session Chair:
Natalia
Kryvinska

room: J149

ANT

Indoor and Outdoor Localization Framework for Pervasive Environment
Omar Chakroun, Martin Hild, Bessam Abdulrazak (*Université de Sherbrooke, Canada*)

Fall Detection System for Senior's Homes
Scott Schaffner, Mubashsharul I. Shafique, Haiyi Zhang (*Acadia University, Canada*)

A Service Oriented Approach for Ubiquitous Agents in Aml Systems using EVATAR
Nikolaos Dipsis, Kostas Stathis (*Royal Holloway University of London, England*)

A Model to Provide Higher Services Availability for the Mission Critical Applications
Natalia Kryvinska, Christine Strauss (*University of Vienna, Austria*), Peter Zinterhof (*University of Salzburg, Austria*)

Wearable Computers and Organizational Change – A Study
Michael Lawo (*Universität Bremen, Germany*), Edna Pasher (*EPA Management Consultants, Israel*),
Otthein Herzog (*Universität Bremen, Germany*)

Interaction and Maintenance in Civil Engineering within Virtual Environments
Alcinia Z. Sampaio, Miguel M. Ferreira, Daniel P. Rosário (*Technical University of Lisbon, Portugal*)

19:30 – 22:30

Conference Dinner

Wednesday, 10 November 2010

Session

09:30 – 11:00

Context-Aware Systems

Session Chair:
Linnyer B. Ruiz

room:
J135

iWAS

A Metamodel for Context-Aware Component-Based Mashup Applications
Stefan Pietschmann, Vincent Tietz, Jan Reimann, Christian Liebing, Michel Pohle, Klaus
Meißner (*Technische Universität, Germany*)

Context-Aware Process Mining Framework for Business Process Flexibility
Zerari Mounira, Boufaïda Mahmoud (*University of Mentouri Constantine, Algeria*)

Macro and Micro Context-Awareness for Autonomic Pervasive Computing
Bessam Abdulrazak, Patrice Roy, Charles Gouin-Vallerand, Sylvain Giroux (*University of
Sherbrooke, Canada*), Yacine Belala (*SAP Labs, Canada*)

Towards a Conflict Resolution Approach for Collective Ubiquitous Context-aware Systems
Thais R. M. Braga Silva (*Federal University of Vicoso, Brazil*), Linnyer B. Ruiz (*State
University of Maringa, Brazil*), Antonio A. F. Loureiro (*Federal University of Vicoso, Brazil*)

Assisting Mobile Web Users: Client-Side Injection of Context-Sensitive Cues into Websites
Sven Casteleyn, William Van Woensel, Olga De Troyer (*Vrije Universiteit Brussel, Belgium*)

11:00 – 11:30

Coffee Break

Wednesday, 10 November 2010

Session

09:30 – 11:00

Web Applications 2

Session Chair:
Maria Indrawan

room: Amph 1

The Missing Links: Discovering Hidden Same-as Links among a Billion of Triples
George Papadakis, Gianluca Demartini, Philipp Kärger (*L3S Research Center, Germany*)

Application Composition at the Presentation Layer: Alternatives and Open Issues
Stefan Pietschmann (*Technische Universität, Germany*), Tobias Nestler (*SAP Research Center, Germany*), Florian Daniel (*University of Trento, Italy*)

Web Usage Mining for the Recommendation of Materialized Webviews
Ali Ben Ammar (*Institut Supérieur de l'Informatique et de Gestion de Kairouan, Tunisie*), Mouna Badis, Abdelaziz Abdellatif (*Faculte des Sciences de Tunis, Tunisie*)

Multi-constraint Selection of Materialized Webviews
Ali Ben Ammar (*Institut Supérieur de l'Informatique et de Gestion de Kairouan, Tunisie*), Abdelaziz Abdellatif (*Faculte des Sciences de Tunis, Tunisie*), Henda Ben Ghezala (*Ecole Nationale des Sciences de l'Informatique, Tunisie*)

A Framework Analysis for Managing Explicit Feedback of Visitors of a Web Site
Clemens Schefels, Roberto V. Zicari (*Goethe University, Germany*)

11:00 – 11:30

Coffee Break

Wednesday, 10 November 2010

Session

09:30 – 11:00

Wireless Sensor Networks

Session Chair:
Martine Collard

room:
Meeting Room

Detecting Movement Patterns With Wireless Sensor Networks: Application To Bird Behavior
Erick Stattner, Martine Collard, Philippe Hunel, Nicolas Vidot (*University of Antilles and Guyane, France*)

Fine-Granularity Clustering in Wireless Sensor Networks
Maznah Kamat (*Universiti Teknologi Malaysia, Malaysia*), Stephan Olariu (*Old Dominion University, USA*), Abdul Samad Ismail (*Universiti Teknologi Malaysia, Malaysia*)

A Distributed Probabilistic Arbitration in Sensors Integration
Shazirawati Mohd Puz, Shahrudin Salleh, Stephan Olariu (*Universiti Teknologi Malaysia, Malaysia*)

Data Management within WSN through Multi-Hop Transmissions
Sami. J. Habib, Paulvanna Nayaki Marimuthu (*Kuwait University, Kuwait*)

IPTV with Rateless Channel Coding and Data-Partitioning for Broadband Wireless
Laith Al-Jobouri, Martin Fleury, Mohammed Ghanbari (*University of Essex, United Kingdom*)

On the Development of Adaptive and Self-dependent Secure Routing Protocol (ASSP) for Wireless Sensor Networks
Jamal N. Al-Karaki, Samer Khasawneh (*The Hashemite University, Jordan*), Mohammad Alrousan (*Jordan University of Science and Technology, Jordan*)

11:00 – 11:30

Coffee Break

Wednesday, 10 November 2010

Session

09:30 – 11:00

E-Applications

Session Chair:
Natalia Kryvinska

room: J136

Assessment of Business Value from Services Re-use on SOA-based e-Business Platform
Natalia Kryvinska, Christine Strauss, Lukas Auer (*University of Vienna, Austria*), I. Ivanochko (*Lviv Polytechnic National University, Ukraine*)

Synthesis of Performance Management Mechanisms in Modern E-Commerce Services
Ibtehal Nafea, D.R.W. Holton (*University of Bradford, UK*), Muhammad Younas (*Oxford Brookes University, UK*), Irfan Awan (*University of Bradford, UK*)

E-government: ITIL-Based Service Management Case Study
Rachid Meziani, Imad Saleh (*Laboratoire Paragraphe Universite de Paris 8, France*)

Mitigation Efforts Calculator (MEC): An online calculator for interactive comparison of mitigation efforts between UNFCCC Annex 1 Countries
Thanh Binh Nguyen, Lena Höglund-Isaksson, Fabian Wagner (*International Institute for Applied Systems Analysis, Austria*)

Exploring Citizens' Intention to Use Government Websites in Taiwan: An Empirical Study
Hui-Ju Wang, Jin Lo (*National Chengchi University, Taiwan*)

11:00 – 11:30

Coffee Break

Wednesday, 10 November 2010

Session

09:30 – 11:00

Autonomic and Agent Systems

Session Chair:
Thierry Delot

room: J149

An Autonomic Approach to Self-* Routing within a Sensor Network
Walid Chainbi (*Pole technologique de Sousse Sahloul, Tunisia*)

Autonomous Control for Presence Display Messages using Human Connection Attribute
Miyuki Imada, Shyong Kim (*NTT Network Innovation Labs, Japan*), Yuusuke Kawakita, Estuko Suzuki, Haruhisa Ichikawa (*University of Electro-Communications, Japan*)

Inter-Agents Communication Protocol for Distributed Reconfigurable Control Software Components
Atef Gharbi (*National Institute of Applied Sciences and Technology, Tunisia*), Mohamed Khalgui (*Martin Luther University, Germany*), Samir B. Ahmed (*National Institute of Applied Sciences and Technology, Tunisia*)

M2Cal: An Intelligent Interface Agent That Captures Calendar Events from Email
Chris Martell, Daniel L. Silver, André Trudel (*Acadia University, Canada*)

System Architecture for Data Acquisition, Extraction and Analysis for Experiments with Weblabs
Leandro H. Najm, Marcelo Q. Leite, Pedro L.P. Correa (*Universidade de Sao Paulo, Brazil*)

Parallel Thinning Algorithms: A Survey
Ayesha Talha (*University of Sharjah, UAE*), Saad Harous (*United Arab Emirates University, UAE*)

11:00 – 11:30

Coffee Break

Wednesday, 10 November 2010

Session

11:30 – 13:00

Information Retrieval

Session Chair:
Angela Carrillo-Ramos

room: J135

iWAS

Query-biased Summarization Considering Difference of Paragraphs
Chikara Otani, Yasushi Oda, Osamu Yoshie (*Waseda University, Japan*)

Manual and Automatic Semantic Annotation of Web Documents: The FLERSA Tool
Jose L. Navarro-Galindo, Jose Samos (*Universidad de Granada, Spain*)

Basic Requirements to keep in mind for an Ideal Agent-based Web Information Retrieval System in Ubiquitous Environments
Andrea Paola Barraza, Angela Carrillo-Ramos (*Pontificia Universidad Javeriana, Colombia*)

An Approach to Identify Commonalities In Web Application Engineering for a Web Content Management System
Jurriaan Souer (*GX Software, The Netherlands*), Dirk-Jan Joor (*Utrecht University, The Netherlands*)

Towards the Reuse of Lingware Systems: A Proposed Approach with a Practical Experiment on Arabic Summarization System
Nabil Baklouti, Sonia Bouaziz, Bilel Gargouri, Chaik Aloulou, Mohamed Jmael (*University of Sfax, Tunisia*)

13:00 – 14:00

Lunch

Wednesday, 10 November 2010

Session

11:30 – 13:00

Real-Time and Stream Applications

Session Chair:
Shusuke Okamoto

room: J136

iWAS

Convergence enhancement within operator backbones for real-time applications
Abdelali Ala (*Abdelmalik Essaadi University, Morocco*), Driss El Oudghiri (*Moulay Ismail University, Morocco*), Mohamed Essaaidi (*Abdelmalik Essaadi University, Morocco*)

Distributed Construction of Data Cubes from Tuple Stream
Tepei Shimada, Takayuki Tsuchida, Tatsuo Tsuji, Ken Higuchi (*University of Fukui, Japan*)

Load Distribution by Using Web Workers for a Real Time Web Application
Shusuke Okamoto, Masaki Kohana (*Seikei University, Japan*)

Computation Non-Intensive Estimation Algorithm for Counting Cycles in Random Networks
Ibrahim Sorkhoh, Khaled Mahdi, Maytham Safar (*Kuwait University, Kuwait*)

Response time for cloud computing providers
Mohammed Alhamad, Tharam Dillon, Chen Wu, Elizabeth Chang (*Curtin University of Technology, Australia*)

13:00 – 14:00

Lunch

Wednesday, 10 November 2010

Session

11:30 – 13:00

Location-Based

Session Chair:
Sergio Ilari

room:
Meeting room

MOMM

A Location-Aware System for Monitoring Sport Events
Sergio Ilari, Eduardo Mena (*University of Zaragoza, Spain*), Arantza Illarramendi (*Basque Country University, Spain*), Gorka Marcos (*Vicomtech Research Center, Spain*)

Proactive Neighbor Localization Based on Distributed Geographic Table
Marco Picone, Michele Amoretti, Francesco Zanichelli (*University of Parma, Italy*)

Investigating the Usability of a Mobile Location-based Annotation System
Tan Phat Pham, Khasfariyati Razikin, Dion Hoe-Lian Goh, Thi Nhu Quynh Kim, Huynh Nhu Hop Quach, Yin Leng Theng, Alton Y.K. Chua (*Nanyang Technological University, Singapore*), Ee-Peng Lim (*Singapore Management University, Singapore*)

Smart Collaboration in Camera Networks
W.J. Jansen (*TCNN Zernikelaan 7, The Netherlands*), Suleyman Malki, Lambert Spaanenburg (*Lund University, Sweden*), R. Kleihorst (*Vito-Tap, Belgium*)

Time Constrained Range Search Queries over Moving Objects in Road Networks
Kefeng Xuan (*Monash University, Australia*), David Taniar (*Monash University, Australia*), Maytham Safar (*Kuwait University, Kuwait*), Bala Srinivasan (*Monash University, Australia*)

Path Branch Points in Mobile Navigation
Geng Zhao (*Monash University, Australia*), David Taniar (*Monash University, Australia*), Wenny Rahayu (*La Trobe University, Australia*), Maytham Safar (*Kuwait University, Kuwait*), Bala Srinivasan (*Monash University, Australia*)

13:00 – 14:00

Lunch

Wednesday, 10 November 2010

Session

11:30 – 13:00

Short Papers 1

Session Chair:
Carlos Calafate

room: J149

MOMM

Efficient content pushing in IEEE 802.11p vehicular environments
Sascha Fritsch (*HFT Leipzig, Germany*), Carlos Calafate (*Universidad Politécnic de, Spain*), Jânio Monteiro (*University of Algarve, Portugal*), Juan-Carlos Cano, Pietro Manzoni (*Universidad Politécnic de, Spain*)

Hybrid Multi-Channel Multi-hop MAC in VANETs
Abdel Mehzen Ahmad (*Telecom Sud Paris, France*), Mahmoud Doughan (*Lebanese University, Lebanon*), Vincent Gautier (*Telecom Sud Paris, France*), Imad Mougharbel (*Lebanese University, Lebanon*), Michel Marot (*Telecom Sud Paris, France*)

SOLE: Context-Aware Sharing of Living Experience in Mobile Environments
Jian Zhu, Mohammad Oliya, Hung Keng Pung, Wai Choong Wong (*National University of Singapore, Singapore*)

Experiences Running a Prototype Location-aware Mobile Social Networking System
Konstantinos Mourtzoukos, Ioannis T. Christou (*Athens Information Technology, Greece*)

Personalization of IPTV Services in NGN Architectures
Eugen Mikoczy, Sebastian Schumann, Pavol Podhradsky (*Slovak University of Technology, Slovakia*)

Video Streaming Protocols for Broadband Wireless Access to IPTV
Salah M. Saleh Al-Majeed, Martin Fleury (*University of Essex, United Kingdom*)

13:00 – 14:00

Lunch

Wednesday, 10 November 2010

Session

11:30 – 13:00

Problems, Solutions and New Opportunities: Using Pagelet-Based Templates in Development of Flexible and Extensible Web Applications
Hao Han (*National Institute of Informatics, Japan*), Bo Liu (*Fuji Xerox, Japan*)

Misual - Music Visualization based on Acoustic Data -
Naoko Kosugi (*NTT Communication Science Labs., Japan*)

Polpourri Enhancing Search in a Geospatial Multimedia Annotation System
Huynh Nhu Hop Quach, Dion Hoe-Lian Goh, Khasfariyati Razikin, Tan Phat Pham, Thi Nhu Quynh Kim, Yin-Leng Theng (*Nanyang Technological University, Singapore*), Ee-Peng Lim (*Singapore Management University, Singapore*), Chew Hung Chang, Kalyani Chatterjea (*Nanyang Technological University, Singapore*), Aixin Sun (*Nanyang Technological University, Singapore*)

Session Chair: Naoko Kosugi

room: Amphi 1 Using LZW Compression Technique for Payload Encoding in Multiple Frequency Domain Steganography
Raouf Smko, Abdelsalam Almarimi, Khalid Negrat (*College of Electronics, Libya*)

Resource Discovery Service while Minimizing Maintenance Overhead in Hierarchical DHT Systems
Riad Mokadem, Abdelkader Hameurlain (*Paul Sabatier University, France*), A Min Tjoa (*Vienna University of Technology, Austria*)

OPEN: Open pervasive environments for migratory interactive services
Anders Nickelsen (*Aalborg University, Denmark*), Fabio Paternó (*ISTI-CNR, Pisa, Italy*), Agnese Grasselli (*Vodafone Italy, Italy*), Kay-Uwe Schmidt (*SAP, Germany*), Miquel Martin (*NEC Europe Ltd., Germany*), Björn Schindler (*Technische Universität, Germany*), Francesca Mureddu (*Arcadia Design, Italy*)

13:00 – 14:00 Lunch

Wednesday, 10 November 2010

Session

14:00 – 15:30

Organisation-Based (Re)Planning for Web Service Composition
David Corsar, Alison Chorley, Wamberto Vasconcelos (*Univ. of Aberdeen, UK*)

From a Platform Independent Service Composition Model to Executable Service Compositions
Ayman Chaabane, Sameh Hbaieb Turki (*University of Sfax, Tunisia*), Anis Char (*SAP Research Center, Germany*), Rak Bouaziz (*University of Sfax, Tunisia*)

OGC-Compatible High-performance Web Map Service for Remote Sensing Data Visualization
Chunyang Hu, Yongwang Zhao, Jing Li, Min Liu, Dianfu Ma, Xuan Li (*Beihang University, China*)

Short Papers 1 A component library to improve the reusability in the development of converged services
Laura Diaz-Casillas, Carlos A. Iglesias, Miguel Nieto (*Univ. Politecnica de Madrid, Spain*)

Session Chair: Fei Liu

A Framework on Ontology Integration
Jie Xie, Fei Liu (*La Trobe University, Australia*)

room: J135 Expressing Business Rules in a Foundational-based Domain Ontology: Towards Higher-quality Conceptual Models
Mauro Lopes, Fernanda Baiao (*Research and Practice Group in Information Technology, Brazil*), Sean Siqueira (*Federal University of the State of Rio de Janeiro, Brazil*)

An Approach to Compare Two Ontological Models for Representing Quranic Words
Hend S. Al-Khalifa, Maha Al-Yahya (*King Saud University, Arabia*), Alia Bahanshal, Iman Al-Odah (*Research Institute, King Abdulaziz City for Science and Technology, Saudi Arabia*), Nawal Al-Helwah (*Princess Norah University, Saudi Arabia*)

15:30 – 16:00

Coffee Break

Wednesday, 10 November 2010

Session

14:00 – 15:30

Mobile and Ubiquitous Systems

ERPAS

Session Chair:
Jérémy Bauchet

room:
Meeting room

An Enhanced Approach to Automatic Generation of Mobile Widgets

Daniele Cammareri (*Open Reply, Italy*), Claudia Raibulet (*Universita degli Studi di Milano-Bicocca, Dipartimento di Informatica Sistemistica e Comunicazione, Italy*)

Ubiquitous Home Control based on SIP and Presence Service

Robin Acker, Steffen Brandt, Nicolas Buchmann, Thorsten Fugmann, Michael Massoth (*Department of Computer Science Hochschule Darmstadt University of Applied Sciences, Germany*)

Service Discovery in Ubiquitous Mobile Computing Environment

Nor Shahniza Kamal Bashah (*Department of Telematics - Norwegian University of Science and Technology, Norway*), Natalia Kryvinska (*Dpt of e-Business - Faculty of Business, Economics and Statistics - University of Vienna, Austria*), Do van Thanh (*Department of Telematics - Norwegian University of Science and Technology - Telenor R&D, Norway*)

Selection Algorithm for Multimedia Adaptation Mechanisms in Ubiquitous Service Environments

Merat Shahidi (*Centre for Telecommunications Research - King College London, UK*), Ning Li (*Centre for Communication Systems Research - University of Surrey, UK*), A. Hamid Aghvami (*Centre for Telecommunications Research - King College London, UK*)

A Session Server Architecture for Mobile Distributed Virtual Environments

Abdul Malik Khan, Sophie Chabridon (*Institut TELECOM, TELECOM SudParis, CNRS UMR SAMOVAR, France*), Antoine Beugnard (*Institut TELECOM, TELECOM Bretagne, Computer Science Department, France*)

Internal Contexts Inference System for Ubiquitous Context-aware Applications

Fabricio Silva (*UFV, Brazil*), Thais Silva, Antonio Loureiro (*Computer Science Department, UFMG, Brazil*), Linyer Ruiz (*Department of Informatics, UEM, Brazil*)

15:30 – 16:00

Coffee Break

Wednesday, 10 November 2010

Session

14:00 – 15:30

Short Papers 2

MoMM

Session Chair:
Tsutomu Terada

room: J136

An Accurate Gradient-Based Predictive Algorithm for Image Compression

Abdollah Attar, Reza Moradi Rad, Asadollah Shahbahrani (*University of Guilan, Iran*)

A Distance Estimation Method using Intra-frame Optical Flow with Interlace Camera

Tsutomu Terada, Yuhki Suzuki, Masahiko Tsukamoto (*Kobe University, Japan*)

Enhanced RTP-based Tool-Set for Video Streaming Simulation using NS-2

Fernando Boronat, Mario Montagud, Vicent Vidal (*Universidad Politécnica de Valencia, Spain*)

An Electronic and Secure Automatic Fare Collection System with Revocable Anonymity for Users

Arnau Vives-guasch, Jordi Castella-Roca (*Universitat Rovira i Virgili, Spain*), M. Magdalena Payeras-Capellà (*Universitat de les Illes Balears, Spain*), Macià Mut Puigserver (*Universitat de les Illes Balears, Spain*)

Evolving toward Ubiquitous Access by Femtocell Systems

Seung-Que Lee, Nam-Hoon Park, Young-Jin Kim (*Electronics and Telecommunications Research Institute(ETRI), Korea*)

An Adaptation Model applied to Commercial Establishments Services

David Marin Diaz, Alejandro Rico Zuluaga, Angela Carrillo-Ramos, María Paula Arias-Baez (*Pontificia Universidad, Colombia*)

15:30 – 16:00

Coffee Break

Wednesday, 10 November 2010

Session

14:00 – 15:30

ERPAS

Mobile Services

Session Chair:
Saqib Ali

room: J149

Enhanced Learner Model for Adaptive Mobile Learning

Ahmed Al-Hmouz, Jun Shen, Jun Yan (*School of Information Systems and Technology - University of Wollongong, Australia*), Rami Al-Hmouz (*School of Electrical Engineering - Isara Private University, Jordan*)

The key success factors to mobile commerce for Arab countries in Middle East

Noura Al Hosni, Saqib Ali, Radi Ashra (*College of Commerce and Economics - Sultan Qaboos University, Sultanate of Oman*)

A Case Study of Telecommunication Business in Two Selected Countries

Sharly Joana Halder, Weijie Liu, Wooju Kim (*College of Engineering, Yonsei University, South Korea*), Junho Choi (*Graduate School of Information, Yonsei University, South Korea*)

Collaborative Mobile Information System for Collection and Delivery of Traffic Information

Dragan Stojanovic, Milos Roganovic, Bratislav Predic (*University of Nis, Faculty of Electronic Engineering, Serbia*)

Intelligent Eye: location-based multimedia information for mobile phones

Esther De Ves, Inmaculada Coma, Marcos Fernandez, Jesus Gimeno (*Universitat de Valencia, Spain*)

15:30 – 16:00

Coffee Break

Wednesday, 10 November 2010

Session

14:00 – 15:30

ERPAS

Mobile Multimedia and Networks

Session Chair:
Vilmos Simon

room: Amphi 1

Data Fusion for Location Integrity in Vehicle Ad hoc Networks

Gongjun Yan (*Department NIMS - Indiana University Kokomo, USA*), Weiming Yang (*Mathematics and Statistics Department - Old Dominion University, USA*), Stephan Olariu (*Computer Science Department - Old Dominion University, USA*)

Pre-Deployment Simulation Evaluation of BIONETS, a New Networking Paradigm

Vilmos Simon, Endre Varga (*Department of Telecommunications - Budapest University, Hungary*)

A Distributed Authentication Mechanism for Sharing an Overlay Network among Multiple Organizations

Toshikazu Nishimura (*College of Information Science and Engineering, Ritsumeikan University, Japan*)

Tensor Models for the Efficient Multipath Routing in Large-scale Communication Networks

B. Strykhaluk, M. Kaidan, M. Klymash (*Telecommunications Department, Lviv Polytechnic National University, Ukraine*), N. Kryvinska (*Department of e-Business, School of Business, Economics and Statistics, University of Vienna, Austria*)

Speaker model updating by the conversational sounds in speaker verification

Keita Yamamuro, Katunobu Itou (*Hosei University, Japan*)

15:30 – 16:00

Coffee Break

Wednesday, 10 November 2010

Session

16:00 – 17:30

Short Papers 2

iWAS

RED

PSemRef: Personalized Query Reformulation based on User Preferences
Thiago Arruda (*Federal University of Pernambuco, Brazil*), Damires Souza (*Federal Institute of Education, Science and Technology, Brazil*), Ana Carolina Salgado (*Federal University of Pernambuco, Brazil*)

Session Chair: Tadeusz Pankowski
Generating schema mappings based on annotations in a P2P data integration system
Tadeusz Pankowski, Radoslaw Udalowski (*Poznan University of Technology, Poland*)

room: Meeting room
Extending Choreography Spheres to Improve Simulations
Oliver Kopp, Katharina Gorchach, Frank Leymann (*University of Stuttgart, Germany*)

One-Class Classification for Finding Interesting Resources in Social, Bookmarking Systems,
Daniela Godoy (*UNICEN University, Argentina*)

Athena: Text Mining Based Discovery of Scientific Workflows in Disperse Repositories
Flavio Costa, Daniel Oliveira (*Federal University of Rio de Janeiro, Brasil*), Eduardo Ogasawara (*Federal Center of Technological Education, Brasil*), Alexandre Lima, Marta Mattoso (*Federal School Pedro II, Brasil*).

17:30 – 18:00

Closing & Best Paper Award/Journal Selection

Wednesday, 10 November 2010

Session

16:00 – 17:30

ERPAS

Review of Challenges in Content Extraction in Web Based Personalized Learning Content Management Systems

Lakshmi Sunil Prakash (*Faculty of Computing and IT - Sohar University, Sultana of Oman*), N.S. Kutti (*Department of Computer Science - College of Sciences, Sultana of Oman*), ASM Sajeev (*School of Science and Technology - University of New England, Australia*)

Semantic Web Portal Using Remarks as RDF Data

Martin Řimnáč (*Prague Institute for Computer Science, Czech Republic*)

Thread Management in Mashup Execution Platforms

Michele Stecca (*Computer Platform Research Center, University of Genova, Italy*), Massimo Maresca (*Computer Platform Research Center, University of Padova, Italy*)

Web Technology

Session Chair: Bernady O. Apduhan

Morpheus: A Deep Web Question Answering System
Christan Grant, Clint P. George, Joir-dan Gumbs, Joseph N. Wilson, Peter J. Dobbins (*University of Florida, Department of Computer Science, USA*)

room: Amphi 1

Verification of parameters semantic compatibility for semi-automatic Web service composition: a generic case study

Nicolas Lebreton (*Faculte de Medecine de Rennes, France*), Christophe Blanchet (*BioSciences Lyon-Gerland, France*), Daniela Barreiro Claro (*LASID/DCC/UFBA Computer Science, Brazil*), Julie Chaballier (*Natural Solutions, France*), Anita Burgun, Olivier Dameron (*Faculte de Medecine de Rennes, France*)

A Grid Application Service Framework For Extracted Sub-ontology Update

Toshihiro Uchibayashi, Bernady O. Apduhan (*Kyushu Sangyo University, Japan*), Wenny Rahayu (*La Trobe University, Australia*), Norio Shiratori (*Research Institute of Electrical Communication Tohoku University, Japan*)

17:30 – 18:00

Closing & Best Paper Award/Journal Selection

Wednesday, 10 November 2010

Session

16:00 – 17:30

MDC

@WAS Masters and Doctoral Colloquium

Session Chair:
Karin Hummel

room: J135

Web Services Composition Handling User Constraints: Towards a Semantic Approach
Amel Boustil (*Mentouri University, Algeria*), Nicolas Sabouret (*Laboratoire Informatique de Paris 6, France*), Ramdane Maamri (*Mentouri University, Algeria*)

Stakeholder Detection for Online Debates
Antoine Seilles, Jean Sallatin, Nancy Rodriguez (*LIRMM, France*)

Utility Function for Semantic Video Content Adaptation
Vanessa El-Khoury (*Lyon University, France*), Nadia Bennani (*Lyon University, France*), David Coquil (*Passau University, Germany*)

Using a Service Oriented Architecture for Simulating Algorithmic Trading Strategies
Adnan Rashid (*School of Computer Science and Engineering, Australia*)

Consumer Mashups: End-User Perspectives and Acceptance Model
Sirsha Bhattacharai (*Telecom SudParis, France*), Zhenzhen Zhao (*Institut Telecom, Telecom SudParis, France*), Noel Crespi (*Telecom SudParis, France*)

Multimodal Instantiation of Assistance Services
B.Helena Rodriguez, Jean-Claude Moissinac, Isabelle Demeure (*Telecom ParisTech - CNRS LTCl, France*)

17:30 – 18:00

Closing & Best Paper Award/Journal Selection

Wednesday, 10 November 2010

Session

16:00 – 17:30

ERPAS

Intelligent Systems

Session Chair:
Jörg Rech

room: J149

Question Answering System with Recommendation using Fuzzy Relational Product Operator
Chan-Minh Ahn, Ju-Hong Lee, Bumgwi Choi (*Inha University, South Korea*), Sun Park (*Advanced Graduate Education Center of Jeonbuk for Electronics and IT, South Korea*)

A Reinforcement Learning based Self-healing Algorithm for Managing Context Adaptation
Tudor Cioara, Ionut Anghel, Ioan Salomie, Mihaela Dinsoreanu, Georgiana Copil, Daniel Moldovan (*Technical University of Cluj-Napoca, Romania*)

Multilingual Extraction and Mapping of Dictionary Entry Names in Business Schema Integration
Michael Dietrich (*SAP Research, Germany*), Dirk Weissmann (*SAP AG, Germany*), Jörg Rech (*SAP Research, Germany*), Gunther Stuhc (*SAP AG, Germany*)

Intelligent Assistance for Collaborative Schema Governance in the German Agricultural eBusiness Sector
Jörg Rech, Wolfgang Schwach, Michael Dietrich (*SAP Research, Germany*), Gunther Stuhc (*SAP AG, Germany*)

Knowledge Exploratory Project for Nanodevice Design and Manufacturing
Masaharu Yoshioka (*Graduate School of Information Science and Technology, Hokkaido University, Japan*), Katsuhiro Tomioka (*Japan Science and Technology Agency, Japan*), Shinjiroh Hara, Takashi Fukui (*Graduate School of IST, Hokkaido University, Japan*)

Radio Frequency Identification: a Case For Health Care
Sylvain Bureau (*ESCP Europe Paris, Information Systems and Technologies, France*), Markus Bick (*ESCP Europe Berlin, Business Information Systems, Germany*), Selwyn Piramuthu (*University of Florida, Information Systems and Operations Management, USA*), Yannick Meiller, Wei Zhou (*ESCP Europe Paris, Information Systems and Technologies, France*), Samuel Fosso Wamba (*University of Wollongong, School of Information Systems & Technology, Australia*)

17:30 – 18:00

Closing & Best Paper Award/Journal Selection

Wednesday, 10 November 2010

Session

16:00 – 17:30

ERPAS

Web Services and Ontologies

Session Chair:
Jérémy Bauchet

room: J136

Publishing intentional services using new annotation for WSDL
Kadan Aljoumaa (*Centre de Recherche en Informatique Université Paris 1 - Pantheon, France*), Saïd Assar (*Institut Telecom - Telecom Business School, France*), Carine Souveyet (*Centre de Recherche en Informatique Université Paris 1 - Pantheon, France*)

An Evaluation of State-of-the-Art Approaches for Web Service Selection
Mojtaba Khezrian, Wan M. N. Wan Kadir (*Faculty of Computer Science and Information Systems, Malaysia*), Suhaimi Ibrahim (*Advanced Informatics School, Malaysia*), Keyvan Mohebbi, Kanmani Munusamy (*Faculty of Computer Science and Information Systems, Malaysia*), Sayes Gholam Hassan Tabatabaei (*Universiti Teknologi Malaysia, Malaysia*)

Heuristic Geo Query Decomposition and Orchestration in a SOA
Michael Owobini, Peter Baumann (*Center for Advanced Systems Engineering - Jacobs University, Germany*)

MMSLDI: A distributed Data Integration System
Ghada Hassan, Hamidah Ibrahim, Nasir Sulaiman, Rasali Yakob (*Faculty of Computer Science and Information Technology, UPM, Malaysia*)

Building Ontological Models from Arabic Wikipedia: A Proposed Hybrid Approach
Nora I. Al-Rajebah (*Computer Sciences Department, King Saud University, Saudi Arabia*), HEND S. Al-Khalifa (*Information Technology Department, King Saud University, Saudi Arabia*), AbdulMalik S. Al-Salman (*Computer Sciences Department, King Saud University, Saudi Arabia*)

17:30 – 18:00 Closing & Best Paper Award/Journal Selection (Amphi 1)