

# iiWAS2009/MoMM2009 PROGRAM

Sunday, 13 December 2009

14:00 - 18:00

**REGISTRATION**

AeU Campus

Dataran Kewangan Darul Takaful, No 4, Jalan Sultan Sulaiman (Kampung Atap), 50000, Kuala Lumpur, Malaysia

Monday, 14 December 2009

08:00

**REGISTRATION**

09:00

**CONFERENCE OPENING CEREMONY**

09:30

**KEYNOTE SPEECH I**

“The Evolution of the Web: Information – Communication – Cooperation”

**Prof. Dr. Gabriele Kotsis**

Johannes Kepler University Linz, AUSTRIA

10:30

**COFFEE BREAK**

11:00

**KEYNOTE SPEECH II**

“Adoption Issues for Cloud Computing”

**Prof. Won Kim**

Kyungwon University, KOREA

12:30

**LUNCH BREAK**

13:30

**TUTORIAL I**

“Issues and Challenges in Model Versioning”

**Kerstin Altmanninger**

Johannes Kepler University Linz  
AUSTRIA

**TUTORIAL II**

“Advances in High Performance Database Technology”

**David Taniar**

Monash University  
**Clement H.C. Leung**  
Hong Kong Baptist University

**Wenny Rahayu**  
La Trobe University

**Sushant Goel**  
TTG Transportation Technology  
AUSTRALIA

**TUTORIAL III**

“An Introduction to Ontology-based Activity Recognition”

**Luke L. Chen**

University of Ulster  
UNITED KINGDOM

**Jit Biswas**  
Institute of Infocomm Research (I2R),  
SINGAPORE

**TUTORIAL IV**

“Web Information Systems Design in the Era of Web 2.0 and Beyond”

**Hui Ma**

Victoria University of Wellington, NEW ZEALAND

**Klaus-Dieter Schewe**  
Information Science Research Centre, NEW ZEALAND

**Bernhard Thalheim**  
Christian Albrechts University Kiel, GERMANY

16:00

**COFFEE BREAK**

16:30

**PANEL**

“Service Computing in the Clouds: What Are the Research Challenges?”

**Chair: Stéphane Bressan**, National University of Singapore, Singapore

**Panelists:**

**Won Kim** (Kyungwon University, Korea), **Frank Dignum** (Utrecht University, The Netherlands),

**Mounir Mokhtari** (IPAL CNRS, Singapore), **Madjid Fathi** (University of Siegen, Germany)

17:30

**GROUP PHOTO**

18:00

**WELCOME RECEPTION**

AeU Campus

Dataran Kewangan Darul Takaful, No 4, Jalan Sultan Sulaiman, 50000, Kuala Lumpur, Malaysia

09:00	<p align="center"><b>KEYNOTE IIWAS</b>                  "Organizing Web Services to develop Dynamic, Flexible, Distributed Systems"  <b>Frank Dignum</b>                  Utrecht University, The Netherlands</p>				<p align="center"><b>KEYNOTE MOMM</b>                  "An Architecture for Traffic Incident Detection"  <b>Prof. Stephan Olariu</b>                  Old Dominion University, USA</p>			
10:30	<p align="center"><b>COFFEE BREAK</b></p>							
11:00	<p align="center"><b>IIWAS2009 DATA INTEGRATION &amp; MANAGEMENT</b>  <b>Session Chair: Waleed W. Smari</b></p> <p>A SOA for Ubiquitous Communication Management  <b>Kamil Sarelo</b>                  Austria</p> <p>A Service-Oriented Approach to Web Warehousing  <b>Hui Ma, Klaus-Dieter Schewe, Bernhard Thalheim, Qing Wang</b>                  New Zealand, Germany</p> <p>Navigation Consistency in Web Site Families  <b>Christian Eichinger, Michael Schrefl</b>                  Austria</p> <p>An ontology-driven approach to Web search: analysis of its sensitivity to ontology quality and search tasks  <b>Stein L. Tomassen, Darijus Straszunskas</b>                  Norway</p> <p>Association Rules Mining with Relative Weighted Support  <b>Zailani Abdullah, Mustafa Mat Deris</b>                  Malaysia</p> <p>Relating ontology and Web terminologies by feature vectors: unsupervised construction and experimental validation  <b>Stein L. Tomassen, Darijus Straszunskas</b>                  Norway</p>	<p align="center"><b>IIWAS2009 ONTOLOGY INTEGRATION AND ALIGNMENT</b>  <b>Session Chair: Frank Dignum</b></p> <p>Combining resemblance functions for ontology alignment  <b>Jairo F. de Souza, Rubens N. Melo, Jonice Oliveira, Jano de Souza</b>                  Brazil</p> <p>Candidate Reduction and Alignment Improvement Techniques Used in Aligning Ontologies  <b>Watson Wei Khong Chua, Angela Eck Soong Goh</b>                  Singapore</p> <p>Towards a Universal Ontology for Smart Environments  <b>Belkacem Chikhaoui, Yazid Benazzouz, Bessam Abdulrazak</b>                  Canada, France</p> <p>An Execution Platform for Event Driven Mashups  <b>Michele Stecca, Massimo Maresca</b>                  Italy</p>	<p align="center"><b>MOMM2009 MULTIMEDIA STORAGE AND RETRIEVAL</b>  <b>Session Chair: Hamidah Ibrahim</b></p> <p>Enhanced Motion Interaction for Multimedia Applications  <b>Dennis Majoe, Lars Widmer, Juerg Gutknecht</b>                  Switzerland</p> <p>A New Signature for Quadtree-based Image Matching  <b>Naimul Mefraz Khan, Imran Shafiq Ahmad</b>                  Canada</p> <p>A Scheduling Method for Selective Contents Broadcasting with Node Relay-Based Webcast Considering User Behavior  <b>Yusuke Gotoh, Tomoki Yoshihisa, Hideo Taniguchi, Masanori Kanazawa</b>                  Japan</p> <p>Fingerprint Image Processing and Minutiae Extraction for Fuzzy Vault  <b>Chien Eao Lee, Nandita Bhattacharjee</b>                  Australia</p> <p>A Spatiotemporal Text Localization and Identification Approach for Content-Based Video Browsing  <b>Bassem Bouaziz, Walid Mahdi, Tarek Zitni, Abdelmajid Benhamadou</b>                  Tunisia</p>	<p align="center"><b>MOMM2009 MULTIMEDIA STREAMING AND SERVICES</b>  <b>Session Chair: Dian Tjondronegoro</b></p> <p>Predicting Quality of Experience in Multimedia Streaming  <b>Vlado Menkovski, Adetola Oredope, Antonio Liotta, Antonio Cuadra Sánchez</b>                  The Netherlands, Spain</p> <p>Streaming Layered Video over P2P Networks  <b>Majed Alhaisoni, Mohammed Ghanbari, Antonio Liotta</b>                  United Kingdom, The Netherlands</p> <p>Analysis of Video Streaming with SP and SI Frames in UMTS Mobile Networks  <b>Luca Superioli, Markus Rupp, Wolfgang Karner</b>                  Austria</p> <p>To Provide Guidelines for Designing New Mediation Tools and Identifying Matching Technique - A Classification Framework Approach  <b>Nelson K.Y. Leung, Sim Kim Lau, Joshua Fan, Seung Hwan Kang, Nicole Tsang</b>                  Vietnam, Australia, Thailand</p>	<p align="center"><b>HCI4UCE - 1</b>  <b>Session Chair: Hyunseung Choo</b></p> <p>Joint Attention, Joint Probability,  <b>KangWoo Lee, Hyunseung Choo,</b>                  Korea</p> <p>Easy Real Object Insertion Tool for Composite Photographs,  <b>Sunyoung Cho, Hyeran Byun,</b>                  Korea</p> <p>Flower Image Recognition Using Difference Image Entropy  <b>Rong-Guo Huang, Sang-Hyeon Jin, Jung-Hyun Kim, Kwang-Seok Hong</b>                  Korea</p> <p>Automatic Weblog Generation using Mobile Context,  <b>Young-Seol Lee, Sung-Bae Cho</b>                  Korea</p> <p>BAR: Bitmap-based Association Rule Implementation and its Optimizations  <b>Sung-Tan Kim, Jae-Myung Kim, Sang-Won Lee,</b>                  Korea</p>	<p align="center"><b>IST-AWSN 1</b>  <b>Session Chair: Elhadi Shakshuki</b></p> <p>Mobile and Ubiquitous Malware  <b>Yean Li Ho, Swee-Huay Heng</b>                  Malaysia</p> <p>A Proposal Based On Time Series to Predict Traffic Values Inside a Wi-Fi Data Network  <b>Cesar Augusto Hernández Suarez, Octavio Salcedo Parra, Francisco J Puente</b>                  Colombia</p> <p>Metrics Evaluation for Context-Aware Computing  <b>Teddy Mantoro</b>                  Malaysia</p> <p>An Extended TAM for Analyzing Adoption Behavior of Mobile Coupon  <b>Sudarsan Jayasingh, Uchenna Cyril Eze</b>                  Malaysia</p>	<p align="center"><b>ERPAS I</b>  <b>Session Chair: Sami Habib</b></p> <p>A Personal Mashup Framework for Mobile Users  <b>Masanobu Nakamura</b>                  Japan</p> <p>A New Approach For TV Programs Identification Based On Video Grammar  <b>Tarek Zitni, Walid Mahdi, Hanène Ben Abdallah</b>                  Tunisia</p> <p>Sharing Large Data Collections Between Mobile Peers  <b>Brian Tripney, Christopher Foley, Richard Gourlay, John Wilson</b>                  United Kingdom</p> <p>Mobile User Location Prediction Enabled Services: Determination User Location using MFN Algorithm  <b>Teddy Mantoro, Akeem Koye Olowolayemo</b>                  Malaysia</p>	
12:30	<p align="center"><b>LUNCH BREAK</b></p>							

13:30	<p><b>IIWAS2009 COLLABORATIVE INFORMATION SYSTEMS</b></p> <p><b>Session Chair: Klaus-Dieter Schewe</b> MIRO: A Mashup Editor Leveraging Web, Grid and Cloud Services <b>Steffen Heinzl, Dominik Seiler, Markus Unterberger, Anastasiya Nonenmacher, Bernd Freisleben</b> Germany</p> <p>Content Hole Search in Community-type Content Using Wikipedia <b>Akiyo Nadamoto, Eiji Aramaki, Takeshi Abekawa, Yohei Murakami</b> Japan</p> <p>A Semantic Argumentation Approach to Collaborative Ontology Engineering <b>Krissada Maleewong, Chutiporn Anutariya, Vilas Wuwongse</b> Thailand</p> <p>Analysis of Dynamic Social Network: E-mail Messages Exchange Network <b>Maytham Safar, Hisham Farahat, Khaled Mahdi</b> Kuwait</p> <p>Trust and Privacy in Attribute Based Access Control for Collaboration Environment <b>Waleed W. Smari, Jian Zhu, Patrice Clemente</b> USA, France</p>	<p><b>IIWAS2009 SENSOR AND P2P NETWORKS</b></p> <p><b>Session Chair: Makoto Takizawa</b> An Intelligent Agent for Fault Reconnaissance in Sensor Networks <b>Elhadi M. Shakshuki, Xinyu Xing, Tarek R. Sheltami</b> Canada, USA, Saudi Arabia</p> <p>Multi-Wheel Graph Neuron: A Distributed Associative Memory for Structured P2P Networks <b>Amiza Amir, Asad Khan, R.A Raja Mahmood</b> Australia</p> <p>Improvement of Hölbl et al. user authentication protocol and password change protocol <b>Fuw-Yi Yang, Tzung-Da Wu, Ming-Huei Hsu</b> Taiwan</p> <p>Securing a Java P2P framework: The JXTA-Overlay case <b>Joan Arnedo-Moreno, Keita Matsuo, Leonard Barolli, Fatos Xhafa</b> Spain, Japan</p> <p>Message Delivery System for Collaborative USN <b>Kim DongWook, Le Dinh Minh, KarpJoo Jeong</b> Korea</p>	<p><b>MOMM2009 MOBILE MULTIMEDIA COLLABORATIVE SYSTEMS</b></p> <p><b>Session Chair: Gabriele Kotsis</b> Multi-edge decimation in multi-modal 3D collaborative applications <b>Andrew Tan Siak Chuan, Jinglan Zhang</b> Australia</p> <p>Towards an Interactive Multimedia Experience for Club Music and Dance <b>Dennis Majoe, Irena Kulka, Jan Schacher</b> Switzerland</p> <p>Evaluation on Performer Support Methods for Interactive Performances Using Projector <b>Jun Ikeda, Yoshinari Takegawa, Tsutomu Terada, Masahiko Tsukamoto</b> Japan</p> <p>A context-aware solution to annotate people in mobile devices <b>Hugo Feitosa de Figueirêdo, Ricardo Madeira Fernandes, Luciana Cavalcante de Menezes, Claudio de Souza Baptista, Yuri Almeida Lacerda, Anselmo Cardoso de Paiva</b> Brazil</p> <p>New Social &amp; Collaborative Interactive TV Program Formats <b>Sabine Bachmayer, Artur Lugmayer, Gabriele Kotsis</b> Austria, Finland</p>	<p><b>MOMM2009 UBIQUITOUS MOBILE MULTIMEDIA</b></p> <p><b>Session Chair: Antonio Liotta</b> Tools for Designing and Prototyping Activity-based Pervasive Applications <b>Pascal Bruegger, Denis Lalanne, Agnes Lisowska, Béat Hirsbrun</b> Switzerland</p> <p>An Open Carrier Controlled Service Environment for User Generated Mobile Multimedia Services <b>Niklas Blum, Thomas Magedanz, Horst Stein, Ingo Wo</b> Germany</p> <p>Privacy Preserving through A Memorizing Algorithm in Location-Based Services <b>Quynh Chi Truong, Anh Tuan Truong, Tran Khanh Dang</b> Vietnam</p> <p>Lightweight and Distributed Attack Detection Scheme in Mobile Ad Hoc Networks <b>Raja Azlina Raja Mahmood, Anang Hudaya Muhammad Amin, Amiza Amir, Asad I. Khan</b> Australia</p> <p>Custom Services Platform for Mobile Commerce in Nomadic Environments: PIC-M <b>Jaime Orjuela Parra, Angela Carrillo Ramos, Mario Martinez, Leonardo Flórez-Valencia</b> Colombia</p>	<p><b>HCI4UCE 2</b></p> <p><b>Session Chair: Hyunseung Choo</b> Game Control using Multiple Sensors <b>Soon Mook Jeong, Tae Houn Song, Hyun Uk Jeong, Myung Jin Kim, Key Ho Kwon, Jae Wook Jeon</b> Korea</p> <p>Sensible Interface Using Multi-Sensors in Mobile Device <b>Tae Houn Song, Soon Mook Jeong, Min Kyung Kim, Key Ho Kwon, Jae Wook Jeon</b> Korea</p> <p>Design of RBAC-based Secure KAgent Framework for Home Network Applications, <b>Kang-hak Han, Jung Hwan Choi, Sanghyun Ryu, Hyunsu Jang, Young Ik Eom</b> Korea</p> <p>One-bit transform-based Side Information Generation for Wyner-Ziv Coding, <b>Byunghee Kim, Bongsoo Jung, Byeungwoo Jeon</b> Korea</p> <p>Delay-based Reliable Data Transmission for Lossy Wireless Sensor Networks, <b>Jaewan Seo, Moonseong Kim, In Hur, Hyunseung Choo</b> Korea</p>	<p><b>BWCCA 1 AD-HOC AND SENSOR NETWORKS</b></p> <p><b>Session Chair: Leonard Barolli</b> Group Based Access Control Scheme: Proof of Method for Secure Access Control Architecture in Mobile Ad-Hoc Networks, <b>Asmidar Abu Bakar, Roslan Ismail, Abdul Rahim Ahmad, Jamalul-Lail, Abdul Manan, Jamilin Jais,</b> Malaysia</p> <p>MANET-Viewer: A Visualization System for Mobile Ad-hoc Networks <b>Akio Koyama, Kenyu Namakura, Leonard Barolli,</b> Japan</p> <p>Energy Efficient Layered Sensor Networks with Multihop Polling, <b>Bhed Bahadur Bista</b> Japan</p> <p>Analysis of Ad-Hoc Networks Connectivity Considering Shadowing Radio Model, Leonard Barolli, Gjergji Mino <b>Fatos Xhafa, Giuseppe De Marco, Arjan Durrresi, Akio Koyama</b> Japan</p>	<p><b>ERPAS II</b></p> <p><b>Session Chair: Adel Al-Jumaily</b> Usability Evaluation of Web-based GIS – Case Study <b>Jitka Komarkova, Kamil Jakoubek, Miloslav Hub</b> Czech Republic</p> <p>Integrated SIMDA as Incubator for Cyber Province (Case Study : E-government Initiative in West Java Province) <b>Falahah Suprpto</b> Indonesia</p> <p>Web-Based Application of Community Health Center (Puskesmas) for Patient Electronic Medical Records <b>Mera Kartika Delimayanti, Fajar Tri Waluyanti, Riandini</b> Indonesia</p> <p>Hybrid Approach of Conceptual Framework for SME Clinics in Malaysia <b>Aliza bt Sarlan, Rohiza bt Ahmad, Wan Fatimah Bt Wan Ahmad, P.D.D. Dominic</b> Malaysia</p> <p>Towards the Measurement of Arabic Weblogs Credibility Automatically <b>Rasha M. BinSultan Al-Eidan, Hend S. Alkhalifa, AbdulMalik S. Al-Salman</b> Saudi Arabia</p>
15:00	<b>COFFEE BREAK</b>						
15:30	<p><b>COMPETITION ENTRY SHOWCASE</b></p> <p><b>“Smart Adelaide Guide: A Context-Aware Web Application”</b> Kewen Liao, Quan Z. Sheng, Jian Yu, Hoi S. Wong - Australia</p> <p><b>“KnowleTracker: A Semantic Service-Oriented System for Enterprise Campaign Management”</b> Wee-Tiong Ang, Aloysius Tan, Wei-Peng Seeto, Francis Tan, Weng-Fai Tang, Rajaraman Kanagasabai - Singapore</p> <p><b>“Web Service Query Service”</b> Manivasakan Sabesan, Tore Risch - Sweden</p>						
16:30 – 17:30	<p><b>INDUSTRIAL PRESENTATION: “Moving to the Cloud; Patterns, Integration Challenges and Opportunities”</b></p> <p><b>Dr. Dzaharudin Mansor, Microsoft MALAYSIA</b></p>						
18:00 – 22:30	<b>CONFERENCE GALA DINNER, Pullman Putrajaya Lakeside, No 2, P5/5, Presint 5, Putrajaya,</b>						

9:00

<p><b>IIWAS2009</b> ADVANCED DATABASES</p> <p><b>Session Chair:</b> <b>Wenny Rahayu</b></p> <p>Executing Parallel TwigStack Algorithm on a Multi-core System <b>Imam Machdi, Toshiyuki Amagasa, Hiroyuki Kitagawa</b> Japan</p> <p>Ranking and Selecting Integrity Tests in a Distributed Database <b>Ali A. Alwan, Hamidah Ibrahim, Nur Izura Udzir</b> Malaysia</p> <p>BiB+-Tree: An Efficient Multiversion Access Method for Bitemporal Databases <b>Quang Loc Le, Tran Khanh Dang</b> Vietnam</p> <p>Integrating Schemas of Heterogeneous Relational Databases through Schema Matching <b>Yaser M. Karasneh, Hamidah Ibrahim, Mohamed Othman, Razali Yaakob</b> Malaysia</p>	<p><b>IIWAS2009</b> WEB SERVICES</p> <p><b>Session Chair:</b> <b>Massimo Maresca</b></p> <p>Price Definition in the Establishment of Electronic Contracts for Web Services <b>Felipe Gonçalves Marchione, Marcelo Fantinato, Maria Beatriz F. de Toledo, Itana M. S. Gimenes</b> Brazil</p> <p>Exposing Validity Periods of Prices for Resource Consumption to Web Service Users via Temporal Policies <b>Steffen Heinzl, Dominik Seiler, Ernst Juhnke, Bernd Freisleben</b> Germany</p> <p>Introducing Partner Shared States into ebBP to WS-BPEL Translations <b>Christoph Pflügler, Andreas Schoenberger, Guido Wirtz</b> Germany</p> <p>Garbage Collection in LINDACAP <b>Nur Izura Udzir, Sileshi Demesie, Hamidah Ibrahim</b> Malaysia</p>	<p><b>IIWAS2009</b> AI FOR ADVANCED APPLICATIONS</p> <p><b>Session Chair:</b> <b>Mourad Ykhlef</b></p> <p>Association mining of Time Series <b>Mourad Ykhlef, Abdulaziz Al-Reshoud</b> Saudi Arabia</p> <p>Key Phrase Extraction: A Hybrid Assignment and Extraction Approach <b>Chau Q. Nguyen, Tuoi T. Phan</b> Vietnam</p> <p>Real-Time Fuzzy Switching Regression Analysis: A Convex Hull Approach <b>Azizul Azhar Ramli, Junzo Watada, Witold Pedrycz</b> Japan, Poland</p> <p>GQLX: A new Graphical Query Language for XML Data <b>Mourad Ykhlef, Sarra Alqahtani</b> Saudi Arabia</p> <p>Solving Nuclear Safeguards Evaluation Problem with Fuzzy Multiple Attribute Decision Making Methods <b>Özgür Kabak, Da Ruan</b> Turkey, Belgium</p>	<p><b>MOMM2009</b> MULTIMEDIA NETWORKS AND PROTOCOLS 1</p> <p><b>Session Chair:</b> <b>Maytham Safar</b></p> <p>Prolonging Network Lifetime Through the Use of Mobile Base Station in Wireless Sensor Networks <b>Oday Jerew, Weifa Liang</b> Australia</p> <p>A Probabilistic Routing Protocol in VANET <b>Gongjun Yan, Stephan Olariu, Shaharuddin Salleh</b> USA, Malaysia</p> <p>Performance Analysis of the Simple Lightweight Authentication Protocol <b>Gyöző Gódor, Sándor Imre</b> Hungary</p> <p>LooCI: a Loosely-coupled Component Infrastructure for Networked Embedded Systems <b>Danny Hughes, Klaas Thoelen, Wouter Horré, Nelson Matthys, Javier Del Cid, Sam Michiels, Christophe Huygens, Wouter Joosen</b> Belgium</p> <p>Entry and Exit Probabilities based Cache Replacement Policy for location dependent data in mobile environments <b>Mary Magdalene Jane F. Ilayaraja N, Ashwin Raghav M, Nadarajan R, Maytham Safar</b> India, Kuwait</p>	<p><b>IST-AWSN 2</b></p> <p><b>Session Chair:</b> <b>Elhadi Shakshuki</b></p> <p>Designing Self-Adaptive Websites using Online Hotlink Assignment Algorithm <b>Poonam Goyal, Navneet Goyal, Ashish Gupta</b> India</p> <p>Performance Evaluation of TELOS Sensor Network <b>Tarek R. Sheltami, Elhadi M. Shakshuki, Hussein T. Mouftah</b> Saudi Arabia, Canada</p> <p>Simulation of a VPN Implementation based on MPLS protocol, A Case Study: VPN-MPLS for MSN-AT <b>N. Djenane, A. Benaouda, S. Harous</b> Algeria, UAE</p> <p>A Clustering Algorithm for Wireless Sensor Networks based on Density of Sensors <b>Jamshid Bagherzadeh, Majid Samadzamini</b> Iran</p> <p>Building Performance Measurement Tools for Wireless Sensor Network Operating Systems <b>Mohamed K. Watfa, Mohamed Moubarak</b> UAE, Lebanon</p>	<p><b>BWCCA 2</b> NETWORK PROTOCOLS, MODELING AND APPLICATIONS</p> <p><b>Session Chair:</b> <b>Leonard Barolli</b></p> <p>A Flexible Group Communication Protocol with Hybrid Clocks <b>Isamu Tsuneizumi, Ailixier Aikebaier, Tomoya Enokido, Makoto Takizawa</b> Japan</p> <p>ANonce Encryption in 802.11i 4-way Handshake Protocol <b>Aidil Izani Jafri, Yean Li Ho</b> Malaysia</p> <p>Connectivity based Cognitive Wireless Network for Disaster Information Network <b>Noriki Uchida, Kazuo Takahata, Yoshitaka Shibata</b> Japan</p> <p>Transferring Trusted Logs Across Vulnerable Paths for Digital Forensics <b>Akihiro Tomono, Minoru Uehara, Yuji Shimada</b> Japan</p>	<p><b>ERPAS III</b></p> <p><b>Session Chair:</b> <b>Vladimir Stantchev</b></p> <p>Mobile Workforce Management System for Electricity Supply Industries <b>Faridah Hani Mohamed Salleh, Zaihisma Che Cob, Mohana Shanmugam, Siti Salbiah, Mohamed Shariff</b> Malaysia</p> <p>A Survey of Methods for Maintaining Mobile Cache Consistency <b>Doha Elsharief, Hamidah Ibrahim, Ali Mamat, Mohamed Othman</b> Malaysia</p> <p>Optimizing Web Services for Mobile Devices using Tagged Sub Optimal Code (TSC) <b>Iehab Al-Rassan, Anas Assiri</b> Saudi Arabia</p> <p>An Analysis of Service Disruption Time for TCP Applications Using End-to-End Mobility Management Protocols <b>Peer Azmat Shah, Muhammad Yousaf, Amir Qayyum, Shahzad A. Malik</b> Pakistan</p>	
<p>10:30</p>	<p><b>COFFEE BREAK</b></p>						

11:00	<p><b>IIWAS2009</b> WEB SEMANTICS</p> <p><b>Session Chair:</b> <b>Luke Chen</b></p> <p>Semantic Data Management for Situation-aware Assistance in Ambient Assisted Living <b>Liming Chen, Chris Nugent, Ahmad Al-Bashrawi</b> United Kingdom</p> <p>Modelling Image Semantic Descriptions from Web 2.0 Documents using a Hybrid Approach <b>Lailatul Qadri Zakaria, Wendy Hall, Paul Lewis</b> United Kingdom</p> <p>Towards a user-centered composition system for service-based composite applications <b>Rafael Fernández, David Lizcano, Sebastián Ortega, Javier Soriano</b> Spain</p> <p>Discovering Semantic Similarity Association in Semantic Search System <b>Shahdad Shariatmadari, Ali Mamat, Hamidah Ibrahim, Norwati Mustapha</b> Iran, Malaysia</p>	<p><b>IIWAS2009</b> MOBILE INFORMATION SYSTEMS</p> <p><b>Session Chair:</b> <b>Maytham Safar</b></p> <p>An Offline Browsing System for Mobile Devices <b>Yung-Wei Kao, Ching-Tsornng Tsai, Tung-Hing Chow, Shyan-Ming Yuan</b> Taiwan</p> <p>Enhanced Mobile IP Handoff using Link Layer Information <b>Mohamed Alnas, Irfan Awan, D.R.W. Holton</b> United Kingdom</p> <p>Solving Resource Planning Problems - A Heuristic Solution <b>Julian Eckert, Tim Lehrig, Apostolos Papageorgiou, Nicolas Repp, Ralf Steinmetz</b> Germany</p> <p>Micropayment Schemes with Ability to Return Changes <b>Ching-Nung Yang, Chih-Cheng Wu, Chih-Yang Chiu, Shin-Yan Chiou, Wen-Chiuan Liao</b> Taiwan</p> <p>Cache Prefetch and Replacement with Dual Valid Scopes for Location Dependent Data in Mobile Environments <b>Mary Magdalene Jane F., Ilayaraja N., Ashwin Raghav M., Nadarajan R., Maytham Safar</b> India, Kuwait</p>	<p><b>MOMM2009</b> MULTIMEDIA NETWORKS AND PROTOCOLS 2</p> <p><b>Session Chair:</b> <b>Stephan Olariu</b></p> <p>IEEE 802.11e-EDCF Evaluation through MAC-Layer Metrics over QoS-aware Mobility Constraints <b>Khaled Dridi, Nadeem Javaid, Boubaker Daachi, Karim Djouani</b> France</p> <p>XML Data Management and XPath Evaluation in Wireless Sensor Networks <b>Nils Hoeller, Christoph Reinke, Jana Neumann, Sven Groppe, Christian Werner, Volker Linnemann</b> Germany</p> <p>Bridging the Gaps towards Structured Mobile SOA <b>Apostolos Papageorgiou, Bastian Leferink, Julian Eckert, Nicolas Repp, Ralf Steinmetz</b> Germany</p> <p>A Distributed Event Detection Scheme for Wireless Sensor Networks <b>Anang Hudaya Muhamad Amin, Asad I. Khan, Raja Azlina Raja Mahmood</b> Australia</p> <p>Performance Evaluation of different Transport layer protocols on the IEEE 802.11 and IEEE 802.15.4 MAC/PHY layers for WSN <b>Atif Sharif, Vidyasagar Potdar, A.J.D.Rathnayaka</b> Australia, Sri Lanka</p>	<p><b>MOMIR</b></p> <p><b>Session Chair:</b> <b>Dian Tjondronegoro</b></p> <p>Fusion algorithm based on IEEE 802.11 WLAN measurements for robust indoor positioning <b>Jin-Hyung Park, Chang-Bum Lim, Sin-Woo Park, Dong-Hun Kim, Jung-Hun Cho, Joon-Goo Park,</b> South Korea</p> <p>Coalescence of XML-Based Really Simple Syndication (RSS) Aggregator for Blogosphere <b>Teh Phoey Lee, Abdul Azim Abdul Ghani, Hamidah Ibrahim, Rodziah Atan</b> Malaysia</p> <p>Mobile Multimedia Database <b>Common Issues and Future Considerations, Selvakumar Samuel, Kesava Pillai Rajadora</b> Malaysia</p> <p>Dynamic Lock Synchronisation for collaborative 3D applications, <b>Siak Chuan Tan, Jinglan Zhang</b> Australia</p> <p>Shape-Based Image Retrieval, <b>Nan Xing, Imran Shafiq Ahmad</b> Canada</p> <p>Display Adaptation in Nomadic Environments, <b>Luis Carlos Niño-Tavera, Angela Carrillo-Ramos, Edgar Enrique Ruiz</b> Colombia</p>	<p><b>BWCCA 3</b> P2P AND WEB APPLICATIONS</p> <p><b>Session Chair:</b> <b>Leonard Barolli</b></p> <p>Improving Accuracy of Context Aware Data Replication, <b>Enas Khairullah, Arwa Al-Aama,</b> Saudi Arabia</p> <p>Laxity-based Process Allocation Algorithms to Reduce Power Consumptions in Peer-to-Peer Overlay Networks, <b>Ailixier Aikebaier, Tomoya Enokido, Yan Yang, Makoto Takizawa</b> Japan</p> <p>A Cross-platform P2P Blog System Based on Pebble, <b>Wei-Hsiang Hung, Yung-Wei Kao, Shyan-Ming Yuan</b> Taiwan</p> <p>A Web-Based Framework for Resource Sharing and Collaborative Medical Image Annotation, <b>Hamidreza Pooshfam, Mandava Rajeswari, Dhanesh Ramachandram</b> Malaysia</p>	<p><b>MDC</b></p> <p><b>Session Chair:</b> <b>Karin Hummel</b></p> <p>A Study on Traditional Malay Musical Instruments Sounds Classification System <b>Norhalina Senan, Rosziati Ibrahim, Nazri Mohd Nawi</b> Malaysia</p> <p>Multilingual Lexicons for Machine Translation <b>Lim Lian Tze</b> Malaysia</p> <p>Detection of Fatigue of Vehicular Driver using Skin Conductance and Oximetry Pulse: A Neural Network Approach <b>Mahesh M. Bundelee, Rahul Banerjee</b> India</p> <p>A Secure Data Repository for Semantic Federation of Product Information <b>Sandro Reichert</b> Germany</p> <p>Security Privacy Access Control for Policy Integration and Conflict Reconciliation in Health Care Organizations Collaborations <b>Teo Poh Kuang, Hamidah Ibrahim</b> Malaysia</p>	<p><b>ERPAS IV</b></p> <p><b>Session Chair:</b> <b>Juha Puustjärvi</b></p> <p>Data Governance Strategy: A Key Issue in Building Enterprise Data Warehouse <b>Mohammad Rifaie, Reda Alhaji, Mick Ridley</b> UK, Canada</p> <p>Comprehensive study on methods of fraud prevention in credit card e-payment system <b>Saleh Al-Furiah, Lamia AL-Braheem</b> Saudi Arabia</p> <p>Centralized-Star Architecture of Web Service Node as Integration Solution in Complex Organization <b>Soleh Udin Al Ayubi, Nahumi Nugrahaningsih</b> Indonesia</p> <p>SEICOS: Semantically Enriched Interactive Collaborative Online Shopping <b>Andreas Budde, Michael Nett, Florian Wagner</b> Germany</p> <p>User Satisfaction Model for Mobile e-Government Service <b>Saysoth Keoduangsine, Robert Goodwin</b> Lao People's Democratic Republic, Australia</p>
12:30	<b>LUNCH BREAK</b>						



<p>13:30</p>	<p><b>IIWAS SP I</b> BUSINESS APPLICATIONS</p> <p><b>Session Chair:</b> <b>Si Yain Whar</b></p> <p>Collaborative Filtering Based on an Iterative Prediction Method to Alleviate the Sparsity Problem <b>Amira Abdelwahab, Hiroo Sekiya, Ikuo Matsuba, Yasuo Horiuchi, Shingo Kuroiwa</b> Japan</p> <p>Using Attribute and Attitude Assessment for Bidding in Automated Auctions <b>Madhu Goyal, Guangquan Zhang</b> Australia</p> <p>B2B Supply Chain Automation Using Java Business Integration <b>Wiranto Herry Utomo, Subanar, Retantyo Wardoyo, Ahmad Ashari</b> Indonesia</p> <p>Usability Requirements for COTS Based Systems <b>Asmaa Alsumait, Sami Habib</b> Kuwait</p> <p>Mining Online Shopping Patterns and Communities <b>Keivan Kianmehr, X. Peng, Chris Luce, Justin Chung, Nam Pham, Walter Chung, Reda Alhaji, Jon Roknea, Ken Barkera</b> Canada, Lebanon</p>	<p><b>IIWAS SP II</b> APPLICATIONS FOR LEARNING AND GOVERNMENT</p> <p><b>Session Chair:</b> <b>Sellappan Palaniappan</b></p> <p>Service-Oriented Approaches for E-Government <b>Adrian Krolczyk, Vladimir Stantchev, Christian Senf</b> Germany</p> <p>Interaction Protocol For Agent-Based E-Learning System <b>Norizal Abd Latif, Mohd Fadzil Hassan, Mohd Hilmi Hasan</b> Malaysia</p> <p>An Artificial Immune System for Recommending Relevant Information through Political Weblog <b>Ahmad Nadzri Muhammad Nasir, Ali Selamat, Md Hafiz Selamat</b> Malaysia</p> <p>Usability Heuristics Evaluation for Child E-learning Applications <b>Asmaa Alsumait, Asma Al-Osaimi</b> Kuwait</p> <p>Reconciling Semantic Conflicts in Electronic Patient Data Exchange <b>Chiw Yi Lee, Hamidah Ibrahim, Mohamed Othman, Razali Yaakob</b> Malaysia</p>	<p><b>IIWAS SP III</b> WEB MINING AND IR</p> <p><b>Session Chair:</b> <b>Thanh C. Nguyen</b></p> <p>Efficient Web Usage Mining Process for Sequential Patterns <b>Sang T.T. Nguyen</b> Australia</p> <p>Information Extraction from Web Tables <b>Mahmoud Shaker, Hamidah Ibrahim, Aida Mustafa, Lili Nuriyana Abdullah</b> Malaysia</p> <p>Buiding Knowledge Base for Vietnamese Information Retrieval <b>Thanh C. Nguyen, Hai M. Le, Tuoi T. Phan</b> Vietnam</p> <p>Text Summarization Techniques: SVM versus Neural Networks <b>Keivan Kianmehr, Shang Gao, Jawad Attari, M. Mushfiqur Rahman, Kofi Akomeah, Reda Alhaji, Jon Roknea, Ken Barker</b> Canada, Lebanon</p> <p>RTESS: Real Time Expert System Shell <b>Leo Willyanto Santoso</b> Indonesia</p> <p>Performance Optimization Analysis Using P-Agent <b>Faiz Al-Shrouf, Aiman Turani</b> Jordan</p>	<p><b>AIIDE &amp; IIWAS SP IV</b> WEB SERVICES &amp; APPLICATIONS</p> <p><b>Session Chair:</b> <b>Farookh Hussain</b></p> <p>Combining Cloud Computing and Wireless Sensor Networks <b>Werner Kurschl, Wolfgang Beer</b> Austria</p> <p>Ensuring Recoverability in Composing Web Services <b>Juha Puustjärvi</b> Finland</p> <p>An Effective Access Control Approach to Support Web Service Security <b>Mahdi Sharifi, Homa Movahednejad, Sayed Gholam Hassan Tabatabaei, Suhaimi Ibrahim</b> Malaysia</p> <p>Security Conscious Composition of Semantic Web Services Based on AI Planning and Description Logic <b>Sayed Gholam Hassan Tabatabaei, Amir Vahid Dastjerdi, Wan M.N. Wan Kadir, Suhaimi Ibrahim, Elahe Sarafian</b> Malaysia, Australia, Iran</p> <p>Trustworthy Regional Spatial Information through Web-Services <b>Jan Capek, Jitka Komarkova</b> Czech Republic</p>	<p><b>MoMM SP</b> MOBILE MULTIMEDIA APPLICATIONS I</p> <p><b>Session Chair:</b> <b>Nandita Bhattacharjee</b></p> <p>Personal Advertisement Allocation for Mobile TV <b>Ron Adany, Sarit Kraus, Fernando Ordóñez</b> Israel, USA</p> <p>An Effective Crypto-biometric System for Secure Email in Wireless Environment <b>Parman Sukarno, Nandita Bhattacharjee, Bala Srinivasan</b> Australia</p> <p>Modeling Location Attributes Using XACML-RBAC Model <b>Maha H. Aburahma, Reinhard Stumpfner</b> Austria</p>	<p><b>ERPAS V</b></p> <p><b>Session Chair:</b> <b>Saad Harous</b></p> <p>Underwater Wireless Sensor Networks: Routing Issues and Future Challenges <b>Muhammad Ayaz, Azween Abdullah</b> Malaysia</p> <p>Audio Data Model for Multi-criteria Query Formulation and Retrieval <b>Tizeta Zewide, Solomon Atnafu</b> Ethiopia</p> <p>Natural Exploration of Multimedia Contents <b>Alessandro Soro, Massimo Deriu, Gavino Paddeu</b> Italy</p> <p>SOA-based Multimedia Streaming Enabler over IMS Networks <b>Adel Al-Hezmi, Gayass Daher, Jose Simoes, Thomas Magedanz</b> Germany</p> <p>Multimedia Learning Object to Build Cognitive Understanding in Learning Programming <b>Reginamary Matthews, Hew Soon Hin, Koo Ah Choo</b> Malaysia</p>	<p><b>ERPAS VI</b></p> <p><b>Session Chair:</b> <b>Ashraf Elnagar</b></p> <p>Design and Development Process Model of Converting Literature Texts into Graphical Metaphor <b>Shahabuddin Abd Latiff, Wan Fatimah Wan Ahmad, Subarna Sivapalan</b> Malaysia</p> <p>Network Redesign through Servers Consolidation <b>Abdullah R. Abdulgafer, Paulvana Nayaki Marimuthu, Sami J. Habib</b> Kuwait</p> <p>High-Accuracy Text Search of Hardcopy Logs <b>Yasuhiro Fujii, Ryu Ebisawa, Satoshi Kai, Takaaki Yamada, Yoshinori Honda</b> Japan</p> <p>JLearn-DG: Java Learning System using Dependence Graph <b>Fatima AlShamsi, Ashraf Elnagar</b> UAE</p> <p>Convergence of Learning Services <b>Sergio Martin, Elio Sancristobal, Rosario Gil, Manuel Castro, Juan Peire</b> Spain</p>
<p>15:00</p>	<p><b>COFFEE BREAK</b></p>						

15:30	<p><b>IIWAS SP V</b> APPLICATIONS FOR LEARNING AND GOVERNMENT II</p> <p><b>Session Chair:</b> <b>Syopiansyah Jaya Putra</b></p> <p>A Framework for Delivering Personalized e-Government Services from a Citizen-Centric Approach <b>Malak Al-hassan, Haiyan Lu, Jie Lu</b> Australia</p> <p>AraTation: An Arabic Semantic Annotation Tool <b>Layan M. Bin Saleh, Hend S. Alkhalifa</b> Saudi Arabia</p> <p>Online CASE Tool for Collaborative Software Modelling <b>Louis Ling, Sellappan Palaniappan</b> Malaysia</p> <p>A new Model for Health Care e-insurance Using Credit Points and Service Oriented Architecture (SOA) <b>Amir Shareghi Najar, Azadeh Davoudi</b> Malaysia, Iran</p> <p>Transactional Allocation of Clinical Resources for Health Care Processes <b>Juha Puustjärvi, Leena Puustjärvi</b> Finland</p> <p>Development of Accounting Information System on State Owned Property: Case Study at Regional Office of Directorate General of Treasury, Province of Lampung-Indonesia <b>Syopiansyah Jaya Putra, Budiyanto</b> Indonesia</p>	<p><b>MoMM SP</b> MOBILE MULTIMEDIA APPLICATIONS II</p> <p><b>Session Chair:</b> <b>Tarek R. Sheltami</b></p> <p>An Efficient RFID Solution to Expedite Services <b>Tarek R. Sheltami, Elhadi M. Shakshuki</b> Canada</p> <p>Efficient Identity-Based Authentication for IMS based Services Access <b>Mohamed Abid, Songbo Song, Hassnaa Moustafa, Hossam Afifi</b> France</p> <p>Color Quick Response Code for Mobile Content Distribution <b>Kris Antoni Hadiputra Nurwono, Raymondus Kosala</b> Indonesia</p> <p>Precoding Matrices for Wireless MIMO Communication System <b>Ahmad Taqwa, Soegijardjo Soegijoko, Sugihartono, Suhartono Tjondronegoro</b> Indonesia</p> <p>Comparative Analysis of Time Series Techniques ARIMA and ANFIS to Forecast Wimax Traffic <b>Octavio J. Salcedo P., Cesar A. Hernandez S., Francisco Puente,</b> Colombia</p>	<p><b>AIIDE &amp; IIWAS SP VI</b> WEB SERVICES &amp; APPLICATIONS II</p> <p><b>Session Chair:</b> <b>Farookh Hussain</b></p> <p>A Digital Ecosystem to Support Children with Cerebral Palsy <b>Sim Kim Lau</b> Australia</p> <p>Critical Path Based Approach for Predicting Temporal Exceptions in Resource Constrained Concurrent Workflows, <b>Lok-Fai Leong, Yain-Whar Si, Simon Fong, Robert P. Biuk-Aghai,</b> Macau</p> <p>Current Research Trends and Directions for Future Research in Trust Maintenance for Virtual Environments, <b>Olivia Fachrunnisa, Farookh Khadeer Hussain, Elizabeth Chang,</b> Australia.</p> <p>Combining ICS Semantic Factor into Concept Similarity Evaluating Based on RFCA <b>Chongyang Shi, Zhendong Niu</b> China</p> <p>A novel mutual authentication scheme for USB storage devices <b>Fuw-Yi Yang, Tzung-Da Wu, Su-Hui Chiu</b> Taiwan</p>	<p><b>ERPAS VII</b></p> <p><b>Session Chair:</b> <b>Oras F. Baker</b></p> <p>BitTorrent: Extra-locality P2P Approach for Grid Content Distribution Networks <b>Teddy Mantoro, Haroon Shoukat Ali</b> Malaysia</p> <p>A Purpose-based Privacy-aware System using Privacy Data Graph <b>Yuan Tian, Biao Song, Eui-Nam Huh</b> Republic of Korea</p> <p>Job Management in Mobile Grid Computing <b>Jithesh Sathyan, Mohammed Rijas</b> India</p> <p>MANKALA: A Traditional Game Developed for Mobile Use Aloysius Akpanobong, Oras F. Baker, Malaysia</p> <p>Real Multiroute System (RMS) for Mobile Ad hoc Networks: A Cross layer Approach <b>Sakuna Charoenpanyasak,</b> Thailand</p>	<p><b>ERPAS VIII</b></p> <p><b>Session Chair:</b> <b>Bernd Freisleben</b></p> <p>LCDL: An Extensible Framework for Wrapping Legacy Code <b>Ernst Juhnke, Dominik Seiler, Thilo Stadelmann, Tim Dörnemann, Bernd Freisleben</b> Germany</p> <p>Portal-NetPay Micro-payment System for Non-Micro-payment Vendors <b>Shymal Chandra, Xiaoling Dai</b> Fiji</p> <p>Automatic News Articles Classification in Indonesian Language by Using Naive Bayes Classifier Method <b>Arni Darliani Asy'arie, Adi Wahyu Pribadi</b> Indonesia</p> <p>A Rapid QAR Data Acquisition and Visualization System for Aircraft Engine Maintenances <b>Joo-Sung Kim, Sung-Gyu Lee, Sang-Young Kim, Jaehyun Park, Yoo-Sung Kim</b> Republic of Korea</p> <p>Agents for Energy Efficiency in Ubiquitous Environments <b>Oras F. Baker, Ismail Khalil, Gabriele Kotsis</b> Malaysia, Austria</p>	<p><b>ERPAS IX</b></p> <p><b>Session Chair:</b> <b>Bessam Abdulrazak</b></p> <p>Running Multi-Sequence Applications in Wireless Sensor Networks <b>Amjed Majeed, Tanveer A Zia</b> Australia</p> <p>Mobile Knowledge Visual e-Learning Toolkit <b>Nader Nada, Mohamed Kholief, Noha Metwally</b> Egypt</p> <p>3D Interactive Mobile Navigator Structure and 2D Map in Campus Environment Using GPS <b>Teddy Mantoro, Siti Athirah Saharudin, Supiah Selamat</b> Malaysia</p> <p>Electromyogram (EMG) Driven System Based Virtual Reality for Prosthetic and Rehabilitation Devices <b>Adel Al-Jumaily, Ricardo a. Olivares</b> Australia</p> <p>Integrating Interpersonal Space and Shared Workspace for Translation Groupware Development <b>Lim Tek Yong, Tang Enya Kong, Wong Chui Yin, Peter Woods, Alvin Yeo Wee, Chen Chwen Jen</b> Malaysia</p>
17:00 – 17:30	<b>CLOSING &amp; BEST PAPER AWARD/JOURNAL SELECTION</b>					