

The 5<sup>th</sup> International Conference on Information Integration and Web-based Application & Services  
International Conference on Advances in Mobile Multimedia

Jakarta, 15 – 17 September 2003

**iiWAS 2003 & MoMM2003 PROGRAM**

**Monday, 15 September 2003**

08:30	<p><b><u>OPENING</u></b></p> <p>Prof. Dr. Gabriele Kotsis – General Chair iiWAS 2003 and MoMM 2003          Dr. Stéphane Bressan – Program Committee Chairman iiWAS2003          Prof. Dr. Wolfgang Schreiner - Program Committee Chairman MoMM 2003          Dr. Ismail Khalil Ibrahim- Organizing Committee Chairman iiWAS 2003 and MoMM 2003</p>	
09.00	<p><b><u>OPENING SPEECH</u></b></p> <p>Prof. Dr. Nurcholish Madjid          Rector University of Paramadina Jakarta</p>	
09.30	<p><b><u>KEYNOTE TALK</u></b></p> <p>Mr. Syamsul Mua'rif          Minister of Information and Communication Republic Indonesia</p>	
10:00	<p><b>COFFEE BREAK</b></p>	
10:30	<p><b><u>iiWAS SESSION 1</u></b></p> <p><i>Web-Services</i>  <i>Chair: Wolfgang Schreiner</i></p> <p><b>Project – Based E-Learning</b>          Trajkovik Vladimir, Davcev Danco          Macedonia</p> <p><b>Challenges of the Internet for the SME Hotel Sector in Austria</b>          Markus Gratzner, Werner Winiwarter          Austria</p> <p><b>Architecture of ePresence</b>          D. V. V. R. Subrahmanyam, S. V. Raghavan          India</p>	
12:00	<p><b>LUNCH</b></p>	
13:00	<p><b><u>TUTORIAL I</u></b></p> <p><b>Security in E-Learning</b></p> <p>Edgar Weippl          University of Vienna          Austria</p>	<p><b><u>TUTORIAL II</u></b></p> <p><b>The Semantic Web: Implications for E-learning</b></p> <p>Vladen Devedzic          University of Belgrade, Serbia and Montenegro          Yugoslavia</p>
14:30	<p><b>COFFEE BREAK</b></p>	

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	<u>iiWAS SESSION 2A</u>	<u>iiWAS SESSION 2B</u>	<u>MoMM SESSION 1</u>
15:00	<p><i>Information Integration I</i> Chair: Davcev Danco</p> <p><b>Information System Integration: A Case of PT. Jamsostek in Restructuring Social Security System in Indonesia</b> Wendi Usino Malaysia</p> <p><b>Interfaces and Heterogeneous Information Systems Integration</b> Randall Perrey, Mark Lycett UK</p> <p><b>System Integration and Unified Information Access using Question based Knowledge Management Strategies</b> Alexander Schatten, Franz Inselkammer, A Min Tjoa Austria</p> <p><b>Zero-Latency Data Warehousing for Heterogeneous Data Sources and Continuous Data Streams</b> Tho Manh Nguyen, A. Min Tjoa Austria</p>	<p><i>Architecture for Web-services I</i> Chair: Gillian Dobbie</p> <p><b>Structure of a Web-Based IT-System for Virtual Networks</b> Markus Burghardt, Thomas Diekmann, Svenja Hagenhoff, Matthias Schumann Germany</p> <p><b>Increasing Automation in Lending</b> Roland Kaschek Claire Matthews, Catherine Wallace, Klaus-Dieter Schewe New Zealand</p> <p><b>WebClinic: A Web based System for Telemedicine</b> Foo Ngiap Joon, Steven, Edmond C. Prakash Singapore</p> <p><b>Active Data Integration for Distribution of Up-to-date Tourism Media</b> Sebastian Kornexl, Franz Puehretmair, Wolfram Woess, Roland R. Wagner Austria</p>	<p><i>M-commerce Applications and Frameworks</i> Chair: Henrik Stormer</p> <p><b>Mobile Commerce: An Evaluate Customer Perception for Marketing Strategy in Malaysia</b> Ahasanul Haque, Noor Raihan Malaysia</p> <p><b>Wireless Ticketing Application using J2ME and Servlet-JSP</b> Tutun Juhana, Hendrawan, Firman Ardian Indonesia</p> <p><b>V-Card: Sublimated Message and Lifestyle Services for the Mobile Mass Market</b> Rainer Mohr, Holger Nosekabel, Thilo Keber Germany</p> <p><b>Recognizing and Predicting Context by Learning from User Behavior</b> Rene Mayrhofer, Harald Radi, Alois Ferscha Austria</p> <p><b>Optimizing Resource Transmission over a Web2Mobile System</b> Xiang Li, Qing Li, Jian Zhai, Liu Wenyin Hong Kong, China</p>
17:00	<b>Kick-off Meeting and Declaration of @WAS</b>		
18:30	<p><b>Welcome Reception &amp; Conference Dinner</b></p> <p><b><u>DINNER TALK</u></b></p> <p>Prof. Dr. Nurcholish Madjid Rector University of Paramadina Jakarta</p>		

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08:30	<p align="center"><b><u>INVITED TALK I</u></b></p> <p align="center"><b>Performance Evaluation of Mobile Web Services</b> Prof. Dr. Gabriele Kotsis President of Austrian Computer Society, Austria</p>	
09:15	<p align="center"><b><u>INVITED TALK II</u></b></p> <p align="center"><b>Workflow Management : A Strategic Tool</b> Prof. Dr. R. Paemeleire, Faculty of Economics and Business Administration, Department of Information Policy, Operation Management &amp; Technological Policy, University of Ghent, Belgium</p>	
10:00	<p align="center"><b>COFFEE BREAK</b></p>	
10:30	<p align="center"><b><u>iiWAS SESSION 3</u></b></p> <p align="center"><i>E-Commerce</i> <i>Chair: Vladen Devedzic</i></p> <p align="center"><b>An E-Commerce Framework for Small Business</b> Gillian Dobbie, Franziska Gelies, Daniel Blossey New Zealand, Germany</p> <p align="center"><b>A Unified Framework for E-commerce Negotiation Agents</b> Thalerngsak Kijthaweesinpoon, Maria Indrawan, Bala Srinivasan Australia</p> <p align="center"><b>The Effect of Information Seeking Behavior on an Online Purchase Intention</b> Paulus Insap Santosa Singapore</p>	
12:00	<p align="center"><b>Lunch</b></p>	
13:00	<p align="center"><b><u>TUTORIAL III</u></b></p> <p align="center"><b>Development &amp; Deployment of Web Services and Web Services-based Processes</b></p> <p align="center">Dimka Karastoyanova Darmstadt University of Technology Germany</p>	<p align="center"><b><u>TUTORIAL IV</u></b></p> <p align="center"><b>Advanced Cross-Publishing with XML and XSLT/FO using Platform Independent Open Source Tools</b></p> <p align="center">Alexander Schatten Vienna University of Technology Institute for Software Technology and Interactive Systems. Austria</p>
14:30	<p align="center"><b>COFFEE BREAK</b></p>	

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	<u>iiWAS SESSION 4A</u>	<u>iiWAS SESSION 4B</u>	<u>MoMM SESSION 2</u>
15:00	<p><i>Architecture for Web-services II</i> Chair: Insap Santosa</p> <p><b>Performance-Optimized Adaptation of Personalized Web Fragments</b> Rainer Dlapka, Hildegard Rumetshofer, Roland R. Wagner Austria</p> <p><b>Using Context Information for Service Discovery and Composition</b> Soraya Kouadri Mostéfaoui, Amine Tafat-Bouزيد, Béat Hirsbrunner Switzerland</p> <p><b>A Framework to Workflow Process Web-Based Systems</b> Rogerio Patricio Chagas do Nascimento, Joaquim Arnaldo Martins, Joaquim Souza Pinto Portugal</p>	<p><i>Mobility and Geo-applications</i> Chair: Randall Perrey</p> <p><b>GeoSQL: A Sketch-Based Query Language for Geographical Data</b> Fernando Ferri, Patrizia Grifoni, Maurizio Rafanelli Italy</p> <p><b>From m-GAIA to Grasshopper: Engineering Mobile Agent Applications</b> Weanna Sutandiyo, Mohan Baruwal Chhetri, Shonali Krishnaswamy, Seng Wai Loke Australia</p> <p><b>Design and Implementation of a Model-driven Earth Observation Integration Framework</b> Marcello Mariucci, Clemens Dorda, Bernhard Mitschang Germany</p> <p><b>ARSENAL: Model-driven Earth Observation Integration Framework</b> Marcello Mariucci, Frank Wagner, Gunter Martens, Jens Künzl Italy, Germany</p>	<p><i>Mobile Databases and Information Systems</i> Chair: Hendrawan</p> <p><b>Mobile Devices Injecting Spatial Information into Photographs Enabling the World Photo Album Project</b> Christian Seybold, Henrik Stormer Switzerland</p> <p><b>Mobile Query and Processing in Mobile Database Environment</b> Agustinus Borgy Waluyo, Bala Srinivasan, David Taniar Australia</p> <p><b>Index Dissemination for Multi Broadcast Channel in Mobile Databases</b> Agustinus Borgy Waluyo, Bala Srinivasan, David Taniar Australia</p> <p><b>Supporting Database Retrieval Operations in Mobile Environment</b> Maria Indrawan, Shonali Krishnaswamy, Deepak Sethi Australia</p> <p><b>Modeling and Querying Multimedia Document Database Based on Layered Description</b> Yan Jianfeng, Li Zhanhuai, Zhang Yang, China</p>
17:00	<p><u>PANEL SESSION</u></p> <p><b>What Shall We Expect From E-Learning?</b></p> <p>Stéphane Bressan National University of Singapore Singapore</p>		

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08:30	<p style="text-align: center;"><b><u>INVITED TALK III</u></b></p> <p style="text-align: center;"><b>Web Services and Software Agents</b> Dr. Frank Dignum Utrecht University The Netherlands</p>	
09:15	<p style="text-align: center;"><b><u>INVITED TALK IV</u></b></p> <p style="text-align: center;"><b>Brokering Mathematical Services in the Global Network</b> Prof. Dr. Wolfgang Schreiner Research Institute for Symbolic Computation, Johannes Kepler University, Linz, Austria</p>	
10:00	<p style="text-align: center;"><b>Coffee Break</b></p>	
10:30	<p style="text-align: center;"><b><u>iiWAS SESSION 5</u></b></p> <p style="text-align: center;"><i>Design and Implementation</i> Chair: Dimka Karatoyanova</p> <p style="text-align: center;"><b>Architecture, Design, Implementation and Performance Evaluation of Sarvagna: New Generation Search Engine</b> K. Satya Sai Prakash, S. V. Raghavan India</p> <p style="text-align: center;"><b>The Integration of Web Based Systems in the Development of an e-faculty</b> Zaitun Abu Bakar Malaysia</p> <p style="text-align: center;"><b>Designing a Knowledge Base for Access by Means of a Mobile Phone</b> Andreja Andric, Vladan Devedzic, Marko Andrejic Italy, Yugoslavia</p>	
12:00	<p style="text-align: center;"><b>Lunch</b></p>	
13:00	<p style="text-align: center;"><b><u>iiWAS SESSION 6 A</u></b></p> <p style="text-align: center;"><i>Information Retrieval I</i> Chair: Alexander Schatten</p> <p><b>NIE: An Approach for Extracting Information from Narrative Web Information Sources</b> Hassan Mathkour, Abad Shah Saudi Arabia</p> <p><b>Information Retrieval System in Bahasa Indonesia Using Latent Semantic Indexing and Semi-Discrete Matrix Decomposition</b> Yeni Herdiyeni, Zainal A. Hasibuan Indonesia</p> <p><b>Enhanced Arabic Search Engine</b> Lilac A. E. Al-Safadi Saudi Arabia</p>	<p style="text-align: center;"><b><u>iiWAS SESSION 6 B</u></b></p> <p style="text-align: center;"><i>E-Learning</i> Chair: QK. Dikara Barcah</p> <p><b>Design and Implementation an Electronic Colorblindness Test for Kids Based on Multimedia</b> Suyoto Indonesia</p> <p><b>Building Application to Integrating Web Based E-Learning Resources</b> Fajar Baskoro, Kridanto Surendro, Husni Sastramihardja Indonesia</p> <p><b>Can P2P Deliver What Web Repositories Promised: Global Sharing of E-Learning Content?</b> Reinhard Kronsteiner, Edgar R. Weippl, Ismail Khalil Ibrahim, Gabriele Kotsis Austria</p>
14:30	<p style="text-align: center;"><b>COFFEE BREAK</b></p>	

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	<p style="text-align: center;"><b><u>iiWAS SESSION 7</u></b></p> <p style="text-align: center;"><i>Information Retrieval II</i> Chair: Suyoto</p> <p style="text-align: center;"><b>Implementing Inference Networks for Information Retrieval System in Indonesian Language</b> Adi Wahyu Pribadi, Zaenal Arifin Hasibuan, Indonesia</p> <p style="text-align: center;"><b>An Introduction to Definite Clause Grammar with MINERVA</b> Arnold Aribowo Indonesia</p> <p style="text-align: center;"><b>Agent-based Problem Solving: The Ant Colonies Metaphor</b> Stefan Wagner, Michael Affenzeller, Ismail Khalil Ibrahim, Austria</p> <p style="text-align: center;"><b>Query Rewriting in the Presence of Functional Dependencies with Lossless Join Decomposition</b> Qingyuan Bai, Jun Hong, M.F. McTear UK</p>	<p style="text-align: center;"><b><u>MoMM SESSION 3</u></b></p> <p style="text-align: center;"><i>Performance</i> Chair: Rene Mayrhofer</p> <p style="text-align: center;"><b>Performance of TCP/IP Packets Transmission over Bluetooth Personal Area Network</b> Hendrawan, Cahya Lukito Indonesia</p> <p style="text-align: center;"><b>Samara – A Secure Architecture Multi-Agent System For Security Process Modeling</b> Gustavo A. Santana Torrellas Mexico</p> <p style="text-align: center;"><b>Integrated Data &amp; Voice Communication Using Multi-Code CDMA Scheme</b> Sigit Haryadi, Togap Efendi S Indonesia</p> <p style="text-align: center;"><b>Energy Efficient Wireless Communication for Mobile Multimedia Terminals</b> Lodewijk T Smit, Gerard J. M. Smit, Johann L. Hurink Netherlands</p> <p style="text-align: center;"><b>GPRS Network Planning (Case study : Bandung City)</b> Tutun Juhana , Sugihartono, Safitri Anisahani, Indonesia</p>
17:00	<b>CLOSING &amp; BEST PAPER AWARD</b>	