

**Sixth International Conference on Digital Information Management ICDIM 2011  
(September 26-28, 2011)**

**Conference Program**

**26.09.2011 Monday**

**Registration**

*08.30 am - 09.30 am*

**Opening Ceremony**

*09.30 am -10.00 am*

**10.00 am -10.30 am Coffee Break**

**Keynote Address**

*10.30 am-11.30 am*

**Andrew Kusiak, University of Iowa in Iowa City, USA**

**11.30 - 12.50 Parallel Sessions**

**Session 1A:**

**Session 1B:**

**Distributed Information Systems**

**Ubiquitous Systems**

11.30-11.50  
Zhuojia Xu, Xun Yi (Australia)  
Classification of Privacy-preserving Distributed  
Data Mining Protocols

11.50-12.10  
Yusuke Gotoh Tomoki Yoshihisa, Kentaro  
Suzuki, Hideo Taniguchi, Masanori Kanazawa  
(Japan)  
Evaluation of P2P Streaming Systems for  
Webcast

12.10-12.30  
Wejdan Alkaldi, Fereidoon Sadri (Saudi Arabia,  
USA)  
Query Optimization in Information Integration for  
Queries Involving Aggregation and Group

12.30-12.50  
Fattaneh Mimhashemi, Amir Albadvi, Abbas  
Asosheh, Mmohammad Ghaem Tajgardoon (Iran)  
A service-based Grid Computing Model to apply

11.30-11.50  
Takao Shime, Hideki Kawai, Kazuo Kunieda,  
Keiji Yamada (Japan)  
Area-Based Communication Detector

11.50-12.10  
Guanghao Low, Chei Sian Lee, Dion Goh  
(Singapore)  
A Study of Motivations for Using Mobile  
Content Sharing Games

12.10-12.30  
Kazunari Ishida (Japan)  
Geo-Local Contents System with Mobile Devices

12.30-12.50  
Yoshio Ishizawa (Japan)  
A Method for Conversational Topic  
Recommendation to Appropriate User Group

in the Universities and Institutes	
<b>10.00 am -10.30 am Coffee Break</b>	
14.00 pm- 16.00 pm Sessions	
<b>Session 2A:</b>	<b>Session 2B:</b>
<b>Data Mining</b>	<b>Web Mining</b>
<p>14.00-14.20 Stanislav Fajt, Irena Mlynkova, Martin Necasky (Czech Republic) On Mining XML Integrity Constraints</p> <p>14.20-14.40 Md Sumon Shahriar, Jixue Liu (Australia) On Mining Association Rules with Semantic Constraints in XML</p> <p>14.40-15.00 Elise Desmier, Frederic Flouvat, Benoit Stoll, Nazha Selmaouir-Folcher (New Caledonia) Coconut fields classification using data mining on a large dababase of high-resolution Ikonos images</p> <p>15.00-15.20 Fariba Khademolghorani (Iran) An effective algorithm for mining association rules based onImperialist Competitive Algorithm</p> <p>15.20-15.40 Eya Ben Ahmed, Ahlem Nabli, Faiez Gargouri (Tunisia) Mining Cyclic Association Rules From Multidimensional Knowledge</p> <p>15.40-16.00 Tieta Antaresti, Mohammad Ivan Fanany, Aniati Murni Arymurthy (Indonesia) Maintaining Imbalance Highly Dependent Medical Data Using Dirichlet Process Data Generation</p>	<p>14.00-14.20 Liliana Alexandre, Jorge Coelho (Portugal) Filtering XML Content for Publication and Presentation on the Web</p> <p>14.20-14.40 Anwar Alhenshiri (Canada) The Effect of User Search Behaviour on Web Information Gathering Tasks</p> <p>14.40-15.00 Ingyu Lee (USA) Byung-Won On (Singapore) Weighted Hybrid Features To Resolve Mixed Entities</p> <p>15.00-15.20 Michal Kratky, Radim Baca, David Bednar, Jiri Walder (Czech Republic) Index-Based N-gram Extraction from Large Document Collections</p> <p>15.20-15.40 Fahad Alahmari (Australia) Evaluating SPARQL Using Query Federation and Link Traversal</p> <p>15.40-16.00 Jun Wu, Xiaodong Li, Xin Wang, Baoping Yan (China) DNS Usage Mining and Its Two Applications</p>
<b>16.00 pm- 16.20 pm Coffee Break</b>	
16.20 pm- 17.20 pm Sessions	
<b>Session 2A:</b>	<b>Session 3A:</b>

<b>Data Mining (contd)</b>	<b>Image Analysis</b>
16.20-16.40 Khalid Iqbal, Sohail Asghar, Simon Fong (Pakistan, Macau) A PPDM Model Using Bayesian Network for Hiding Sensitive XML Association Rules	16.20-16.40 Mansour Alsulaiman, Ghulam Muhammad, Zulfiqar Ali (Saudi Arabia) Comparison of Voice Features for Arabic Speech Recognition
16.40-17.00 Gabriele Di Chiara, Luca Paolino, Marco Romano, Monica Sebillio, Genny Tortora, Giuliana Vitiello (Italy) The Framy User Interface for Visually-Impaired Users	16.40-17.00 Htwe Pa Pa Win (Myanmar) Converting Myanmar Printed Document Images into Machine Understandable Text Format
17.00-17.20 Tieta Antaresti, Mohamad Ivan Fanany, and Aniati Murni Arymurthy (Indonesia) Maintaining Imbalance Highly Dependent Medical Data Using Dirichlet Process Data Generation	17.00-17.20 Dongeun Lee, Sunghoon Choi (Korea) Multisensor Fusion-Based Object Detection and Tracking using Active Shape Model
	17.20-17.40 Imran Sarwar Bajwa, Ashfa Umer (UK, Pakistan) Minimizing Ambiguity in Natural Language Software Requirements Specification
<b>18.00 pm Conference Banquet at Trinity College</b>	
<b>27.09.2011 Tuesday</b>	
<b>Keynote Address</b>	
<i>09.00 am-10.00 am</i>	
<b>Rachid Benlamri, Lakehead University, Canada</b>	
<b>10.00 am-10.30 am Coffee Break</b>	
<b>11.30 am- 12.50 pm Parallel Sessions</b>	
<b>Session 4A:</b>	<b>Session 4B:</b>
<b>Data Processing and Management</b>	<b>Information Security and Web Services</b>
10.30-10.50 Phyo Thu Thu Khine (Myanmar) Keyword Searching and Browsing System over Relational Databases	10.30-10.50 Jean-Pierre Nziga (USA) Minimal Dataset for Network Intrusion Detection Systems via Dimensionality Reduction
10.50-11.10 Agus Widodo, Mohamad Ivan Fanany, Indra Budi (Indonesia) Technology Forecasting in the Field of Apnea from Online Publications: Time Series Analysis on Latent Semantic Indexing	10.50-11.10 Anne Gabrielle Bowitz, Espen Graarud, Lawrie Brown, Martin Gilje Jaatun (Norway) BatCave: Adding Security to the BATMAN Protocol
	11.10-11.30

11.10-11.30 A N K Zaman, Pascal Matsakis, Charles Brown (Canada) Evaluation of Stop Word Lists in Text Retrieval Using Latent Semantic Indexing	Elvis Pontes, Adilson Eduardo Guelfi, Anderson Silva, Sergio Takeo Kofuji (Brazil) Applying Multi-Correlation for Improving Forecasting in Cyber Security
11.30-11.50 Han Wang, Bo Lang (China) Online Ngram-enhanced Topic Model for Academic Retrieval	11.30-11.50 Dina Sadat Jalali, Alireza Shahrbanooonezhad (Iran) A New Method based on Finite State Machine for Detecting Misbehaving Nodes in Ad hoc Networks
11.50-12.10 Sameendra Samarawickrama (Sri Lanka) Focused Web Crawling	11.50-12.10 Rosziati Ibrahim, Suk Kuan Teoh (Malaysia) PRIS: Image Processing Tool for Dealing with Criminal Cases using Steganography Technique
12.10-12.30 Zeinab Amirikamalabad (Iran) Prediction of Hotspot in Data Centric Storage	12.10-12.30 Parimala N, Anu Saini (India) Web Service with Criteria: Extending WSDL
12.30-12.50 Talha Anwar, Sohail Asghar, Simon Fong (Pakistan, Macau) Bayesian Based Subgroup Discovery	12.30-12.50 Junpei Kawamoto, Masatoshi Yoshikawa (Japan) Private Range Query by Perturbation and Matrix Based Encryption
Tang Rui, Simon Fong, Saba Sarasvady (Macau, India) Expert Finding and Query Answering for Collaborative Inter-Organizational System by Using Rule Responder	12.50-13.10 Imran Sarwar Bajwa, Rubata Riasat (UK, Pakistan) A New Perfect Hashing based Approach for Secure Steganography
<b>12.50 pm- 14.00 pm Lunch</b>	
14.00 pm- 17.00 pm Sessions	
<b>Session 5A:</b>	<b>Session 5B:</b>
<b>Intelligent Computing</b>	<b>Data Models, XML and Pattern Analysis</b>
14.00-14.20 Ning Li, Zhanhuai Li, Yanming Nie, Xia Li (China) Predicting software black-box defects using stacked generalization	14.00-14.20 Alan Lin, Dean Sheu (Taiwan) Programming for Evaluating Strip Layout of Progressive Dies
14.20-14.40 Reza Reyhani, Amir Masud Eftekhari Moghadam (Iran)	14.20-14.40 A.O. Garcia, S. Bourov, A. Hammad, T. Jejkal, J.C. Ottey, S. Pfeiffer, T. Schenker, C. Schmidt, J. van Wezel, B. Neumair, A. Streit (Germany) Data management and analysis at the Large Scale

<p>A heuristic method for forecasting chaotic time series based on economic variables</p> <p>14.40-15.00 Divesh Lala, Sutasinee Thovuttikul, Toyoaki Nishida (Japan) Towards a Virtual Environment for Capturing Behavior in Cultural Crowds</p> <p>15.00-15.20 Brun Armelle, Jones Nicolas, Brun Armelle, Boyer Anne (France) Improving Reliability of User Preferences: Comparing instead of Rating</p> <p>15.20-15.40 Bafrin Zarei, Mohammadreza Hassani, Poorya Khodabandeh, Hadi Toofani (Iran) MHPSO: A New Method to Enhance the Particle Swarm Optimizer</p> <p>15.40-16.00 Faaizah Shahbodin (Malaysia) ICT + PBL = Holistic Learning solution:UTeMs Experience</p> <p>16.20-16.40 Nada Bajnaid (UK) Context-Aware e-Learning System for SQA</p>	<p>Data Facility</p> <p>14.40-15.00 Martin Nečaský, Jakub Klímek, Jakub Malý(Czech Republic) When Theory Meets Practice: A Case Report on Conceptual Modeling for XML</p> <p>15.20-15.40 Md. Sumon Shahriar, Paulo de Souza and Greg Timms (Australia) Pattern Mining for Query Answering in Marine Sensor Data</p> <p>15.40-16.00 Mahdi Jalili (Iran) Discriminating early stage AD patients from healthy controls using synchronization analysis of EEG</p>
<b>16.00 pm -16.20 pm Coffee Break</b>	
<b>Session 6 A Semantic Web &amp; Ontology : 16.20 pm -17.00 pm</b>	
<p>16.20-16.40 Rayed AlGhamdi, Steve Drew (Australia) Strategic Government Initiatives to Promote Diffusion of Online Retailing in Saudi Arabia</p> <p>16.40-17.00 Sven Groppe, Jinghua Groppe, Stefan Werner, Matthias Samsel, Florian Kalis, Kristina Fell, Peter Kliesch, Markus Nakhlah (Germany) Monitoring eBay Auctions by querying RDF Streams</p>	
17.00 pm- 17.30 pm Concluding Session	
<b>18.00 pm-19.00 pm Conference Dinner at Trinity College</b>	
<b>28.09.2011 Wednesday</b>	
National Park, Aussie style Bush Billy tea with lamingtons and vegemitecrackers and on-coach	

video.

**Lunch at Appollo Bay Hotel** -(<http://www.apollobayhotel.com.au/index.php>)

The Great Ocean Road is one of the world's great drives, a dramatic, powerful, dangerous and majestic coastline, also known as the Shipwreck Coast. Your day on the Great Ocean Road extends from Geelong to Bells Beach through Torquay, Lorne and Apollo Bay. After your lunch stop you continue on through the Otway National Park, to the rugged beauty of the Twelve Apostle National Park and the Twelve Apostles themselves, is there really twelve? To Loch Ard Gorge and Port Campbell shaped by the wild Southern Ocean this coastline will not fail to impress. Got your camera?

**HIGHLIGHTS:** Views of Melbourne and Port Phillip Bay from West Gate Bridge City of Geelong and Corio Bay Torquay and the Surf Coast Visit famous Bells Beach Bush Billy tea of Aussie grown tea and gum leaves, lamingtons and vegemite crackers Spectacular coastal views along the Great Ocean Road Surf beach resort of Lorne Precipitous coastal cliffs, long sandy beaches and rolling surf River inlets and fern gullies Stop at picturesque Apollo Bay for lunch - perhaps a walk along the beach Otway National Park - fern gullies and eucalypts make up this beautiful Australian rainforest Port Campbell National Park's rugged coastline, "The Shipwreck Coast" with many stops including... Gibson's Steps - gain a unique perspective of the stunning Apostles from the water's edge Huge stone monoliths of the Twelve Apostles You may take an optional helicopter flight over the shipwreck coast (own expense) The Island Arch and Razorback - grand architecture carved by surf Loch Ard Gorge - site of the tragic shipwreck of the "Loch Ard" Port Campbell - holiday resort and fishing village This powerful coastline provides scope for stunning photography Return directly to Melbourne enjoying an on-board Australian movie "All The Rivers Run - 1" See the spectacular evening lights of Melbourne from West Gate Bridge. Please bring a windbreaker and walking shoes.00

**13.00 am-14.00 pm Lunch**