

Final Programme

First IEEE International Conference on Digital Information Management
(ICDIM 2006)

Christ College, Bangalore 560 029. India
<http://www.icdim.org>

Note to Authors: All halls have Internet connectivity and PC Projector. You can load your presentations in web or bring off-line slides. Use of your laptop is NOT possible.

Each paper has twenty minutes including discussions.

Selected papers after modification/extension will be published in the following reviewed journals.

1. Journal of Digital Information Management (ISSN 0972 7272)
2. Journal of Information Assurance and Security (JIAS) (ISSN 1554-1010)
3. International Journal of Computational Intelligence Research (ISSN 0973-1873)

Wednesday Dec. 06, 2006

09.30 - 10.30 AM	Opening Ceremony		
	Plenary Talk on Web 3.0 and Information on Demand by Antony Satyadas (IBM, USA)		
10.30 - 10.50 AM	Coffee Break		
	<u>Session 1 A</u>	<u>Session 1 B</u>	<u>Session 1 C</u>
	Software Development and Engineering	Security	Workshop on Web Mining and Enterprise Computing and Web Services
10.50 – 11.10 AM	Assessment of Package Cohesion and Coupling Principles for Predicting the Quality of Object Oriented Design - Chitra S Atole, K V Kale	A Robust Wavelet Based Digital Watermarking Scheme Using Chaotic Mixing- Milind Engedy, Munaga. V. N. K. Prasad and Ashutosh Saxena	Mining open source web repositories to measure the cost of evolutionary reuse- Eugenio Capra
11.10 – 11.30 AM	A Prototype Implementation using Aspect Oriented Software Development- Deepak Dahiya	A Secure concurrency Control for MLS/DDBSs Navdeep Kaur, Rajwinder Singh, Manoj Misra, A.K. Sarje	Domain Patterns and Semantic Annotation of Web Pages Milos Kudelka, Vaclav Snasel, Eyas El-Qawasmeh, Ondrej Lehecka, Jiri Tesarik
11.30 – 11.50 AM	The Design of Dependency Relationships Matrix to improve the testability of Component-based Software - Ma Liangli, Lu Yansheng, Liu Mengren	A System to test malafide intension based privacy violation detection system- S. K Gupta, Sankalp Dubey, Vikram Goyal Dept, Anand Gupta	Investigating Web-Based Approaches to Revealing Prototypical Music Artists in Genre Taxonomies- Markus Schedl, Peter Knees, Gerhard Widmer
11.50 – 12.10 PM	Managing Evolution in Software-Engineering Knowledge Management Systems - Abdulmajid Hissen Mohamed	An explorative study on information security of trust accounts within law firms in South Australia: Implications for IT security management - Sameera Mubarak, Jill Slay	Improving Web Page Clustering Through Selecting Appropriate Term Weighting Functions- V´ictor Fresno, Raquel Mart´inez, Soto Montalvo

12.10 – 12.30 PM	Organizational Changes Required and Challenges Involved in Adopting Agile Software Development Methodologies in Traditional Software Development Organizations - Subhas Misra, Vinod Kumar, Uma Kumar, Gerald Grant	Controlled EHR access in secured health information system - Saleh Al- Zahrani, Sababady Sarasvady, Harish Chandra	Conception and Development of Workflow Engine Based on Service Oriented Architecture - Ning XIAO and Youakim BADR
12.30 – 12.50 PM	Dealing with software concerns in aspects -Deepak Dahiya	Exposing Web Services to Business Partners: Security and Quality of Service Issues - Yann Leblevec, Chirine Ghedira, Djamal Benslimane, Xavier Delatte, Zahi JARIR	A Platform for the Development of Semantic Interoperable Geographic Applications - Manoj Paul and S. K. Ghosh
12.50 – 14.00 PM	Lunch		
14.00 – 16.00 PM	Session 2 - Special Session by IBM on " IBM Productivity Editors", "DB2 9 Features & Tools" and Demo of "Beta release of IBM® Lotus® Component Designer 6.0		
16.00 – 16.20 PM	Coffee Break		
	<u>Session 3 A</u>	<u>Session 3 B</u>	
	Multimedia and Information System	Semantics and Ontology	
16.20 – 16.40 PM	Enabling Dynamic Content Adaptation in Distributed Multimedia Systems - Susan Elias, Suprema Raj, Uma Lakshmanan, Sunaina Premkumar, K. S. Easwarakumar, Richard Chbeir	Creating an Historical Archive Ontology: Guidelines and Evaluation - Torou Elena, Katifori Akrivi	

16.40 – 17.00 PM	Topic Maps Management in Spatial-Temporal Multimedia Blog - Sachit Rajbhandari, Frederic Andres, Motomu Naito, Vilas Wuwongse	Application Schema Mapping based on Ontology: An Approach for GML Storage -Manoj Paul, S. K. Ghosh
17.00 – 17.20 PM	An Enterprise wide Web Centric Digital Information System for Indian Banks - Diwakar Atul Naik, Alka Vaidya	Dynamic Integration and Semantic Security Policy Ontology Mapping for Semantic Web Services (SWS) - S.Muthaiyah, L.Kerschberg
17.20 – 17.40 PM	User Interface Design Pattern Management System Support for Building Information System - Tong Nguyen Quynh Tram, Cao Giang Thien Tai, Dong Thi Bich Thuy Tong	Ontology Matching and Schema Integration using Node Ranking using Node Ranking -Asankhaya Sharma
18.30 PM	Departure to Dinner	
19.30 PM	Opening day dinner	

Thursday Dec. 07, 2006

	<u>Session 4 A</u> Image Processing	<u>Session 4 B</u> Data Mining & Data management	<u>Session 4 C</u> Tutorial
09.30 – 09.50 AM	An Adaptively Automated Five-Class Fingerprint Classification Scheme Using Kohonens Feature Map and fuzzy ant clustering by centroid positioning - T.Srinivasan, S.Shivashankar, Archana.V, B.Rakesh	An Intelligent and Expert Mining Intrusion Detection and Response System - Emmanuel Hooper	Tutorial on Web Information Retrieval by Tanveer Siddique
09.50 - 10.10 AM	An Active Rule Based Approach to Audio Steganalysis with a Genetic Algorithm - S.Geetha, Siva S.Sivatha Sindhu. A. Kannan	An Overview of Data Preprocessing in Web Usage Mining - R. Padmajavalli R.M. Suresh	
10.10 – 10.30 AM	Model-Driven Development of Content-Based Image Retrieval Systems - Temenushka Ignatova	Application of a New Centrality Measure for Social Network Analysis to Bibliometric and Webometric Data - Hildrun and Theo Kretschmer	
10.30 – 10.50 AM	Modeling the Dance Video Annotations - B. Ramadoss, Rajkumar Kannan	Improvement on the Constrained Association Rule Mining Algorithm of Separate - Xiaofeng Yuan, Hualong Xu, and Shuhong Chen	
10.50 – 11.10 AM	Coffee Break		
11.10 – 11.30 AM	Multi-feature Integration on 3D Model Similarity Retrieval on 3D Model Similarity Retrieval - Saiful Akbar, Josef Küng, Roland Wagner	Supporting Direction Relations in Spatio-Temporal databases - Bibi Annie Oommen	

11.30 – 11.50 AM	Managing VCR Interactions in Multimedia Presentations - H. Alustwani, J. M. Bahi, A. Mostefaoui	A Bottom-up Strategy for Query Decomposition - Le Thi Thu Thuy, Doan Dai Duong , Harold Boley, Virendrakumar C. Bhavsar	TUTORIAL
11.50 – 12.10 PM	An Efficient Switching Median Filter for Salt & Pepper Impulse Noise Reduction -Krishnan Nallaperumal, Justin Varghese, .Saudia, K.Krishnaveni,S anthosh.P.Mathew	Bankruptcy Prediction in Banks by Fuzzy Rule based Classifier - P. Ravi Kumar, V. Ravi	
12.10 – 12.30 PM	Endoscopic image classification based on active contours without edges - B.V.Dhandra, Ravindra Hegadi, Mallikarjun Hangarge, V. S. Malemath	Snapshot Service Interface (SSI): A generic snapshot assisted backup framework for Linux -Faraz Shaikh	
12.30 – 12.50 PM	Implementation of LSB Steganography and Its Evaluation for Various Bits - Neeta Deshpande Kamalapur Sneha, Daisy Jacobs		TUTORIAL
13.00 – 14.00 PM	Lunch		
14.00 – 14.20 PM	Plenary Talk on "Migrate to the Penguin - Open Desktop of the future! Today" By Nallu Reddy (IBM, USA) and Manojit Majumdar (IBM Academic Initiatives, India)		

	<u>Session 4 A</u> Image Processing(contd..)	<u>Session 5 A</u> Networks and networking	<u>Session 5 B</u> Computer Languages	<u>Session 5 C</u> Information Retrieval
14.20 – 14.40 PM	Multi-font Numeral Recognition without Thinning based on Directional Density of Pixels - B. V. Dhandra, V. S. Malemath, Mallikarjun H. Ravindra Hegadi	Compact and Accurate Neural Network Classifiers Using Instance Typicality - Shirish S. Sane, Ashok A. Ghatol	A Unified Framework for the Semantic Integration of XML Databases - Doan Dai Duong, Le Thi Thu Thuy	A Framework for the Encoding of Multilayered Documents - Youssef Eldakar, Noha Adly, Magdy Nagi
14.40 – 15.00 PM		Design of Extended Optimal Energy Drain Rate Algorithm for Mobile Adhoc Network - Sankara Gomathi, S.Krishnamurthi, Richard Chbeir	Use case and meta-scenarios for modelling Adaptive Web Applications - Raoudha Ben Djemaa, Ikram Amous, Abdelmajid, Ben Hamadou	Information Seeking behavior and “Googlization” of information: implications for information literacy - Lutishoor Salisbury, Usha Gupta
15.00 – 15.20 PM		Enhanced Continuous KNN Queries Using PINE on Road Networks - Maytham Safar	PDF to HTML Conversion: Having a Usable Web Document - M. Afzal Bhatti, Adeel Ahmad	Query Based Indicative Summary for Assessing Document Relevance - Tanveer J Siddiqui, Uma Shanker Tiwary
15.20 – 15.40 PM		Intelligent Tutoring Systems-Bayesian Student Model - Yaser Nouh, Karthikeyani.P, R. Nadarajan	Quality in Business Modeling Using UML - Meena Sharma	Cross-Lingual Information Retrieval and Delivery Using Community Mobile Networks- R. Shriram, Vijayan Sugumaran, Epaminondas Kapetanios

15.40 –16.00 PM	-	On the Storage Capabilities of Radial Basis Function Neural Networks - Mary George	Rule based Production Systems for Automatic Code Generation in Java - Imran Sarwar Bajwa, M. Shahid Naveed, M. Abbas Choudhary	Cooperative Conceptual retrieval for Heterogeneous Information - Ibtissem Nafkha , Ali Jaoua
16.00 –16.20 PM	Coffee Break			
	-	Session 5 A Networks and networking(contd..)	Workshop on Security and Trust of Web-oriented Application Networks	Tutorial on Institutional Information Management Through Open Source Technology - by Manoj Gaur (16. 40 – 17. 40 PM)
16.20 - 16.40 PM		Ontology based Distributed Personalized Searching for Peer-to-peer architecture using hierarchical neural networks evidence combination - T.Srinivasan B.Rakesh S, Shivashankar Archana.V	A High Embedding Capacity Approach to Adaptive Steganography - N. Santosh, Arjun, Negi,	
16. 40 – 17. 00 PM			Symmetric Encryption Solutions to Millionaire’s Problem and Its Extension- LI Shundong, DAI Yiqi, WANG Daoshun, LUO Ping	
16. 40 – 17. 20 PM			Object Reputation Based Anti-Pollution P2P File Sharing System- WEI Dong YANG Shou-bao GUO Lei-tao	
18.30 – 19.30 PM	Cultural event at Christ College			

Friday Dec. 08, 2006

	<u>Session 6 A</u> Information Management	<u>Session 6 B</u> Search Engines	<u>Session 6 C</u> Tutorial Cameron Esslemont
09.30 – 09.50 AM	AnT&CoW: Share, Classify and Elaborate Documents by means of Annotation Documents by means of Annotation - Gaëlle Lortal, Myriam Lewkowicz, Amalia Todirascu-Courtier	Traffic adaptive optimum updating scheme for search engines - Vijayalakshmi Amudhan, Devi Thirupathi	T U T O R I A L Tutorial on Digital Inclusion by Cameron Esslemont, Global Library Services Network (USA)
09.50 - 10.10 AM	Compressing Inverted File Index Using Mixed Delta/Flat Binary Code - Jinlin Chen, Ping Zhong, Terry Cook	Approximate Keyword Search in Web Search Engines - Sun Wu, Hsien-Tsung Chang, Ting-Chao Hsu, Pei-Shin Liu	
10.10 – 10.30 AM	Cost effective Document Repository Management - Tanay Krishna, Rakesh Kumar Thakur, Deepak Kumar	Design and implementation of an Online Reference Tracking System - Mahalakshmi. G.S Sendhilkumar, S	
10.30 – 10.50 AM	Digitizing Information Management from paper forms to electronic information system - Raija Halonen		

10.50 – 11.10 AM	Coffee Break		TUTORIAL
	<u>Session 6 A</u> Information Management (contd)	<u>- Session 7 A</u> Web Information Retrieval	
11.10 – 11.30 AM	Improving Scientific Conferences by enhancing Conference Management System with information mining capabilities- Andreas Pesenhofer, Rudolf Mayer, Andreas Rauber	Center Block Duplication Detection and Indexing for Efficient Web Information Retrieval- Jinlin Chen, Tyrone Cadenhead, Terry Cook	
11.30 – 11.50 AM	Recovery of Digital Information Using Bacterial Foraging Optimization Based Nonlinear Channel Equalizers - Babita Majhi, G. Panda	Complex Queries on Web Graph representing a Social Network - Susanta Mitra, Aditya Bagchi	
11.50 – 12.10 PM	Artificial Immune System (AIS) based approach to solve the scheduling problem in leagility driven Steel Industries - V. Kumar, R. S. Maull, P.A. Smart, M.K. Tiwari	Intelligence Gathering from Online News Documents -Mahalakshmi, G.S, Sendhilkumar, S	
12.10 – 12.30 PM	Managing the Implementation of IT projects in SMEs: An Exploratory Investigation - Theekshana Suraweera, Venkat Pulakanam, Olkan Guler	Does Knowledge about Search Domain Lead to More Efficient Search in Information Retrieval Applications? - Ram Raghunathan	

12.30 – 12.50 PM	Word-wise Script Identification from Bilingual Documents Based on Morphological Reconstruction - B.V.Dhandra, H.Mallikarjun, Ravindra Hegadi, V.S.Malemath	- A Comprehensive Data Quality Methodology for Web and Structured Data - Carlo Batini, Federico Cabitza, Cinzia Cappiello, Chiara Francalanci	
12.50 – 14.00 PM	Lunch		
14.00 – 14.20 PM	Plenary Talk on "Business Intelligence and web mining" By Ajith Abraham (Chung-Ang University, Korea)		
	<u>Session 7 B</u> Digital Libraries and E-Learning -		Tutorial on "Semantic Web Technologies for Collaborative Knowledge Acquisition" - Vasant Honavar, Iowa State University, USA
14.20 – 14.40 PM	A Business Model-Based Classification Approach for Digital Libraries - Bernd Markscheffel, Daniel Fischer, Dirk Stelzer		
14.40 – 15.00 PM	- Spatial Information Management within Digital Libraries - Christian Sallaberry, Marquesuzaà Christophe, Etcheverry Patrick		
15.00 – 15.20 PM	A Learner Oriented Ontology to Make Effective Learning Management Systems -S.R. Heiyanthuduwage, D. D. Karunaratne		
15.20 – 15.40 PM	Learning Area Based on an Ontology Formal Model for E-learning Systems -Riadh HADJ M'TIR1, Lobna JERIBI, Béatrice RUMPLER		
15.40 – 16.00 PM	Media-Rich Facilities for Live and On Demand Interactive Learning & Distance Education -Kevin Deeb		

16.00 –16.20 PM	Coffee Break
16.20 - 16.45 PM	Best paper award and Announcement about Second International Conference on Digital Information Management – ICDIM 2007
16. 50 PM	Closing ceremony