

DMS 2003 Programs

R: Regular Paper
V: Invited Paper
S: Short Paper

Conference Center: FIU Graham Center (GC) Ballroom

		Room A	Room B	Room C	Room D
Sep. 24	(8:45~8:55)	Welcome from conference chair: Dr. Yi Deng			
	(8:55~9:00)	Greetings from program chair: Dr. Shu-Ching Chen			
	(9:00~9:05)	Introduction to DMS conference series by steering committee chair: Dr. Shi-Kuo Chang			
	(9:05~10:05)	Keynote (1): Dr. Bhavani Thuraisingham			
	(10:05~10:35)	Coffee Break			
	(10:35~12:05) Session 1	DMS (1): 4R	CNS (1): 3R	DMS (2): 4R	DET (1): 1R+3V+1S
	(12:05~13:30)	Lunch			
	(13:30~15:00) Session 2	DMS (3): 4R	CNS (2): 3R	DMS (4): 2R+2S	DET(2): 4R
	(15:00~15:30)	Coffee Break			
	(15:30~17:00) Session 3	DMS (5): 4S	CNS (3): 3S	CNS (4): 3S	DET (3): 2R+1V+2S
		Conference Reception (Miccosukee Resort & Convention Center)			
		Room A	Room B	Room C	Room D
Sep. 25	(8:45~10:05)	Keynote (2): Dr. Michael J. Ackerman			
	(10:05~10:35)	Coffee Break			
	(10:35~12:05) Session 4	DMS (6): 2R+1S	CNS (5): 3R	VIS (1): 2R+1V+1S	DET (4): 2R+3S
	(12:05~13:30)	Lunch			
	(13:30~15:00) Session 5	DMS (7): 4R	MSEAT (1): 1R+4S	VIS (2): 4R+1S	VLC (1): 4R+1S
	(15:00~15:30)	Coffee Break			
	(15:30~17:00) Session 6	DMS (8): 5V	MSEAT (2): 2R+2S	VIS (3): 4S+1R	VLC (2): 4R+1S
		Conference Banquet			
		Room A	Room B	Room C	Room D

Sep. 26	(8:45~10:05)	<u>Keynote (3): Dr. Arif Ghafoor</u>			
	(10:05~10:35)	Coffee Break			
	(10:35~12:05) Session 7	<u>DMS (9): 2R+2S</u>	<u>CNS (6): 4R</u>	<u>VIS (4): 5V</u>	<u>MSEAT (3): 1R+1V+2S</u>
	(12:05~13:30)	Lunch			
	(13:30~15:00) Session 8	<u>DMS (10): 4R+1S</u>	<u>CNS (7): 3R</u>	<u>VLC (3): 5V</u>	<u>MSEAT (4): 3R+1V</u>
	(15:00~15:30)	Coffee Break			
	(15:30~17:00) Session 9	<u>DMS (11): 3R+1S</u>	<u>CNS (8): 6S</u>	<u>VLC (4): 3R+1S</u>	<u>MSEAT (5): 1R+2S</u>

September 24, 2003

8:45~8:55	Welcome from conference chair: Dr. Yi Deng
8:55~9:00	Greetings from program chair: Dr. Shu-Ching Chen
9:00~9:05	Introduction to DMS conference series by steering committee chair: Dr. Shi-Kuo Chang
9:05~10:05	Keynote (1)

Secure Distributed Multimedia Information Management Dr. Bhavani Thuraisingham

10:05~10:35	Coffee Break
10:35~12:05	Session 1
Session 1A	DMS (1): Multimedia Software Engineering and Multimedia Management Systems
Session Chair	Makoto Takizawa

Designing Quality of Service Based Multimedia Systems Using the Unified Modeling Language (R)

Muhammad Abdulla, Duminda Wijesekera, and Hassan Gomaa

MM4U - A framework for creating personalized multimedia content (R)

Susanne Boll

MediaManager: A Distributed Multimedia Management System for Content-Based Retrieval, Authoring and Presentation (R)

Shu-Ching Chen, Mei-Ling Shyu, and Na Zhao

Info Navigator: A Visualization Interface for Document Searching and Browsing (R)

Matthew Carey, Daniel C Heesch, and Stefan M Ruger

Session 1B	CNS (1): Authentication and System Security
Session Chair	Dr. Chuan-Kun Wu

Certificate Revocation System based on Peer-to-Peer CRL Distribution (R)

Matei Ciobanu Morogan

An Unsupervised Network Anomaly Detection System Using Random Projection Technique (R)

Hongmei Deng, Qing-An Zeng and Dharma P. Agrawal

Securing Data Delivery in Ad Hoc Networks (R)

Wenjing Lou and Yuguang Fang

Session 1C	DMS (2): Tele-conferencing Technologies
Session Chair	James Modestino

Uncompressed Video Transmissions and Remote Controlled Distributed Television Productions in Real-Time over High-Capacity Networks (R)

Susanne Naegele-Jackson, Peter Holleczeck, Andreas Metz, and Horst Wollherr

Seamless Videoconferencing System (R)

Thitiporn Lertrudachakul, A. Taguchi, T. Aoki, H. Yasuda

CONFERENCING: A 3D AUDIO CONFERENCING/ARCHIVING SERVICE SUPPORTING WIRELESS PDA CLIENTS WITH 3D GRAPHICAL INTERACTIVE INTERFACES (R)

Stuart Goose, Jochen Riedlinger, Sreedhar Kodlahalli

Adaptive QoS-Based Load-Sharing in Multisession-Video-Conferencing Distributed Multimedia System (R)

Mohammad Moghal, Mohammad S. Mian, Jahangir A. Satti

Session 1D	DET Session A: Communication Technologies Session (i):
Session Chair	Chih-Yung Chang Co-chair: Yu-Wei Chen

A Broadcasting Scheme with Supporting VCR functions for Near Video-on-Demand Systems (R)

Yu-Wei Chen, Yi-Ta Lee, and Ming-Hsiang Tsai

FTTB Broadband Service Problem Management (S)

C.Y. Chen, Lawrence Y. Deng, J.K. Peng, C.H. Chen, J.H. Wang, C.W. Chang, and L.S. Wu

Applying Wireless Technologies on Constructing a Mobile Learning Environment for Ubiquitous Learning (V)

Chih-Yung Chang, Kuei-Ping Shih, Shih-Chieh Lee and Chih-Min Wang

Congestion Control of Bluetooth Radio System by Piconet Restructuring (V)

Gwo-Jong Yu and Chih-Yuan Chang

Add Long Distance Education to Business Modernization Management Mode ~ An Implementation in upgrading "Traditional Hand-Made" Business (V)

Huay Chang, Yong Su, Chih-Yung Chen, Shieh-Shing Lin, Dong-Liang Lee

12:05~13:30	Lunch
13:30~15:00	Session 2
Session 2A	DMS (3): Multimedia Communications and Network Architectures
Session Chair	Kazuo Yana

Notification-Based QoS Control Protocol for Group Communication (R)

Takuya Tojo, Tomoya Enokido, and Makoto Takizawa

Layer Subscription Coordination in Arbitrary Non-Cumulative Layered Multicasting Environments (R)

Gamal Abdel Shafy Ebrahim and Akmal A. Younis

Adaptive Adjustment of End-to-End Delay and Inter-Receiver Delay Variation in the Multicast Tree (R)

Gamal Abdel Shafy Ebrahim and Akmal A. Younis

Enhancing Patching Performance Through Double Patching (R)

Ying Cai and Kien A. Hua

Session 2B	CNS (2): System Security
Session Chair	Dr. Guillermo Morales-Luna

A Unified Approach To Detect Binding Based Race Condition Attacks (R)

Bharat Goya, Sriranjani Sitaraman, S. Venkatesan

Role Authorisation with Role Based Access Control (R)

Anthony Rhodes, William Caelli

A Tampering Detection Mechanism using The Trusted Host for Mobile Agents (R)

Yuki Kotegawa, Kouichi Sakurai

Session 2C	DMS (4): Multimedia Communications, Interaction and QoS Control
Session Chair	Stuart Goose

A Cross-Layer Optimization Approach For Multimedia Over CDMA Mobile Wireless Networks (R)

Yee Sin Chan and James Modestino

A Multimedia Programming Environment for Cellular Automata Systems (R)

Mahmoud Saber, Nikolay Mirenkov

Quality-of-Service Based Delivery of Multimedia Database Objects without Compromising Format Independence (S)

Sven Schmidt, Andreas Marcz, Wolfgang Lehner, Maciej Suchomski, and Klaus Meyer-Wegener

Quality of Service Provision in Buffered Crossbar Switches by Emulating Output Queueing Switch (S)

Qiang Duan

Session 2D	DET Session A: Communication Technologies Session (ii): DET Session B: Educational Technologies session (i):
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Session Chair	Rwei-Ching Chang Co-chair: Kuan-Cheng Lin
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Using SOAP and .NET Web Service to Build SCORM RTE and LMS Mechanism (R)

Ko-shung Chen, Timothy K. Shih, Nigel H. Lin, Wen-Chih Chang and Keith Hsieh

Aligning Learning, Teaching and Assessment using Web-Based Portfolio Systems (R)

Kuan-Cheng Lin, Shu-Huey Yang, Min-Tai Chou and Jeff T.C. Lee

An Automated Question Answering System for e-Learning (R)

Hui-huang Hsu, Schummi Yang, and Timothy K. Shih

Question and Test Authoring System based on SCORM (R)

Dong-Liang Lee, Lawrence Y. Deng, Timothy K. Shih, Wen-Chih Chang, Yi-Chun Liao, Hung-Chang Chen and Hsiau-Wen Lin

15:00~15:30	Coffee Break
15:30~17:00	Session 3
Session 3A	DMS (5): Web-based Applications and Multimedia Streaming
Session Chair	Susanne Boll

Autopilot Scripting for the TerraFly GIS (S)

Naphtali Rishe, Maxim Chekmasov, Andriy Selivonenko, Yanli Sun, Scott Graham and Alejandro Mendoza

Mining Typical User Profiles using Non-negative Matrix Factorization (S)

Jianjiang Lu, Baowen Xu, Gangshi Huang and Yafei Zhang

Web-based Virtual Tour Using The Tour Into The Picture (TIP) Technique (S)

Sanghyuk Yoon, Hai-jung Chen, Tom Hsu, and Ilmi Yoon

Congestion Adaptive Streaming: An Integrated Approach (S)

Ashwatha Matthur and Padmavathi Mundur

Session 3B	CNS (3): Cryptosystems Design and Analysis (i)
Session Chair	Dr. Yi Mu

AA5: Another analogue cipher of A5 (S)

Ya Zhang and Deng-guo Feng

A methodology for numerical evaluation of the computational complexity of AES and Camellia (S)

G. Boato, F. Granelli and E. Tecchio

Information Security Projects: An Administration, Technology and Methodology Challenge (S)

Leonardo García Rojas

Session 3C	CNS (4): Cryptosystems Design and Analysis (ii)
Session Chair	Dr. Gideon Samid

The Characterization of Cryptographic Primitives and Their Security Properties (S)

Ashraf Bhery, Shigeki Hagihara, Naoki Yonezaki

Non-Zero Entropy Ciphertexts On The Possibility of One-Time-Pad Class Security With Shorter Keys (S)

Gideon Samid

Attacks on Non-Repudiation Cryptographic Protocol and Its Improvement (S)

Li li, Wang li-na, Zhang Huan-guo

Session 3D	DET Session B: Educational Technologies session (ii): DET Session C: Intelligence Technologies session (i):
Session Chair	K. Y. Chen Co-chair: Jian-Jyh Kao

DISTANCE LEARNING OF NONDESTRUCTIVE EVALUATION EDUCATION (S)

Rwei-Ching Chang, Chon-Gi Chen and Tsai-Cheng Li

A Web-Base 3D Object search engine with Agent (R)

Chun-Hong Huang, Ching-Sheng Wang, Lawrence Y. Deng

Development Strategy and Cooperation for Distance-learning between Taiwan and Mainland China (V)

Tang Jenn, Chih-Yung Chen, Dong-Liang Lee, and Jih-Fu Tu

Theoretical Model Study of Polarization Mode Dispersion in an Transverse Traveling-Wave Electro-Optic Phase Modulator (R)

Jian-Jyh Kao

Automobile SSD Alert System (S)

Ming-Chih Lu, Yin-Tuei Hsu and Jih-Fu Tu

	Conference Reception (Miccosukee Resort & Convention Center)
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September 25, 2003

8:45~10:05	Keynote (2)
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Next Generation Networking: Distributed Multimedia for Healthcare

Dr. Michael J. Ackerman

10:05~10:35	Coffee Break
10:35~12:05	Session 4
Session 4A	DMS (6): Multimedia Content Analysis, Retrieval and Intelligent Multimedia Computing
Session Chair	Serhan Dagtas

Efficient Content-Based Video Retrieval Using Fuzzy Spatial Relations (R)

Abeer S. Madbouly, Nigel M. John, Akmal A. Younis, and Mansur R. Kabuka

Compressed Pattern Matching for Predictive Lossless Image Encoding (R)

Tao Tao and Amar Mukherjee

A DISTRIBUTED ALGORITHM FOR INTELLIGENT STEREOSCOPIC IMAGE CAPTURE (S)

Sameer Narkhede and Forouzan Golshani

Session 4B	CNS (5): Public Key System and Digital Signatures
Session Chair	Dr. Chuan-Kun Wu

Forward-secure Undeniable Signatures with Fair Anonymity (R)

Song Han, Winson K.Y. Yeung, Xiaotie Deng, Jie Wang, C.H.Lee

RSA-based Fail-Stop Signature Schemes Revisited (R)

Willy Susilo and Yi Mu

Verifiable Ring Signature (R)

Jiqiang Lv and Xinmei Wang

Session 4C	VIS (1): Visual Information Systems & Architecture
Session Chair	Horace Ip

Recent Advancement in Indexing and Retrieval of Visual Documents (V)

L. Guan, P. Muneesawang, J. Lay, I. Lee and T. Amin

Content-based browsing of mail-order catalogue with PicSOM system (R)

V. Viitaniemi, J. Laaksonen

A Versatile Image Retrieval Platform based on a Multi-agent Architecture (R)

S. Dimitriadis, K. Marias and S. C. Orphanoudakis

Visual Retrieval of Environmental Information (S)

G. Lopez, K. Sasaki and P. Maret

Session 4D	DET Session C(ii): Intelligence Technologies session
Session Chair	K. Y. Chen Co-chair: Jian-Jyh Kao

Exploiting Colored Petri Net to Displace Finite State Machine for Modulo-P Counter (S)

Hsichien Yu, Jih-Fu Tu, Chih-Yung Chen, Jenn Tang, Dong-Liang Lee and Hsichien Yu

Exploiting the Request-queue Methodology for Implementing Processor Communication (S)

Chih-Yung Chen, Jih-Fu Tu, Jenn Tang, and Dong-Liang Lee

Using Finite State Diagram for Modeling the Communication Among Processors (R)

Dong-Liang Lee, Chih-Yung Chen, Jih-Fu Tu, Hsichien Yu, Tsai-cheng Li and Jerry Tang

An Research In Intelligent Equipment for Earthquake Detecting (S)

Huay Chang, Shieh-Shing Lin, Rwei-Ching Chang, Chun-Liang Hsu, Cheng-Chien Kuo and Tzu-Wei Yang

A Genetic based QoS Approach in Multimedia Services Architecture (R)

ChunHsien Chen, Teh-Sheng Huang, Lawrance Y. Deng and Hui-huang Hsu

12:05~13:30	Lunch
13:30~15:00	Session 5
Session 5A	DMS (7): Multimedia Compression, Modeling and Web-based Applications
Session Chair	Walid G. Aref

CULTOS: Towards a World-Wide Digital Collection of Exchangeable Units of Multimedia Content for Intertextual Studies (R)

Karin Schellner, Utz Westermann, Sonja Zillner, and Wolfgang Klas

Wavelet-Based Video Compression Using Multiresolution Motion Estimation and Compensation (R)

Weiting Cai and Malek Adjouadi

A Rich-Semantics GIS Imagery Composing Framework (R)

Naphtali Rishe, Yanli Sun, and Andriy Selivonenko

Testing Web Performance Through Obtaining Users' Actions (R)

Lei Xu and Baowen Xu

Session 5B	MSEAT (1): Agent-Based System
Session Chair	Jason C. Hung

A Smart IDS and Response System for Internet Worm Supported by Mobile Agent (R)

Jason C. Hung, Kuan-Cheng Lin, Keith Hsieh and Louis H. Lin

An Agent-based Progressive Image Transmission Technology (S)

Timothy K. Shih, Jason C. Hung and Louis H. Lin

Designing an Agent-Based Learning Portfolio System (S)

Kuan-Cheng Lin, Shu-Huey Yang, Jason C. Hung and M. T. Chou

Designing an Agent-Based Teaching Portfolio System (S)

Kuan-Cheng Lin, Shu-Huey Yang, and M. T. Chou

Maintaining Mobile Agent in Distributed Environment (S)

Lawrence Y. Deng

Session 5C	VIS (2): Content Analysis and Benchmarking
Session Chair	Clement Leung

Video Text Detection And Segmentation (R)

C. W. Ngo and N. C. K. Chan

Contextually Meaningful Representation of Color for the Description of Visual Content (R)

S. Volmer and N. Diakopoulos

Relevance Feedback in Content-Based Image Retrieval Using GRA (S)

Cao, Kui and Y. Feng

A Benchmark for Performance Calibration in Visual Information Search (R)

M. Grubinger and C. Leung

3D Graphical Model Retrieval by Evolutionary Computation-based Adaptive Histogram Binning (R)

K. K. T. Cheung, R. H. S. Wong and H. H. S. Ip

Session 5D	VLC (1): Visual and spatial reasoning
Session Chair	Alfonso F. Cardenas

Truth, Negation, and Entailment in Pictures (R)

Gary Malinas

A Constraint Diagram Reasoning System (R)

Gem Stapleton, John Howse, and John Taylor

Lambda-Space - A Mapping of the Observation Space for Spatial Reasoning (R)

Erland Jungert

Documents in Visual Reasoning: From Paper-Based to Electronic Ones (R)

Daniela Fogli, Giuseppe Fresta, Piero Mussio, and Denise Salvi

Visualization of Uncertainty in Spatial Classification (S)

Iftikhar Sikder, Aryya Gangopadhyay, and Victoria Y. Yoon

15:00~15:30	Coffee Break
15:30~17:00	Session 6
Session 6A	DMS (8): Video Data Management (Invited Paper Session)
Session Chair	Mohamed Abdel-Mottaleb

Detection of Plays and Breaks in football Games Using Audiovisual Features and HMM (V)

Mohamed Abdel-Mottaleb and Guy Ravitz

VDBMS: A Testbed Facility for Research in Video Database Benchmarking (V)

Walid G. Aref, Ann Catlin, Ahmed K. Elmagarmid, Jianping Fan, Moustafa Hammad, Ihab Ilyas, Mirette Marzouk, Sunil Prabhakar, Yi-Cheng Tu and Xingquan Zhu

Video Indexing and Retrieval based on Object Motion and Positions (V)

Serhan Dagtas

Playing Video Streams with Variable Qualities (V)

Ibrahim Kamel and Khaled Elbassioni

Fast 2D Wavelet Transform Through a Novel "Twisted-Packed" Algorithm (V)

Corneliu Manescu and Abdelsalam (Sumi) Helal

Session 6B	MSEAT (2): E-Commerce and Security
Session Chair	Session Chair: Ronggong Song

Security Communication Architecture for Mobile Agents and E-commerce (R)

Ronggong Song and Larry Korba

Multimedia Computing Environment For Telemedical Applications (R)

V.K. Murthy and E.V.Krishnamurthy

Automatic Key Replacement Mechanism Using UPnP for Home Network Security (S)

Tzu-Chi Hu , Cheng-Shun Liao

Simulation and Analysis of Telecom Business Processes using Agents (S)

Ram Dixit

Session 6C	VIS (3): Emerging Technologies for Visual Information Systems
Session Chair	J K Wu

On the influence of image compression on the performance on content based image retrieval (R)

G. Schaefer and M. Stitch

An Approach to Image Compression Using Three-Dimensional DCT (S)

B. Furht and X. Li

Scale Saliency: Applications in Visual Matching, Tracking and View-Based Object Recognition (S)

J. S. Hare and P. H. Lewis

Model-based Lighting Normalization and its Application in Face Recognition (S)

Z. Lei and J. K. Wu

Image Mining using Inexact Maximal Common Subgraph of Multiple ARGs (S)

C. W. Ngo and H. Jiang

Session 6D	VLC (2): Pictorial querying and visualization
Session Chair	Piero Mussio

Aspects of a Visual User Interface for Spatial/Temporal Queries (R)

Karin Silvervarg and Erland Jungert

WebMGISQL - A 3D Visual Environment for GIS Querying (R)

L. Paolino, F. Pittarello, M. Sebillio, G. Tortota, and G. Vitiello

Qualitative Tools to Support Visual Querying in Large Spatial Databases (R)

Alia Abdelmoty and Baher El-Geresy

CADAPPLETS: Visualization of VLSI CAD Algorithms (R)

John Nestor

Customized Multimedia Presentations in a Distance Learning Environment (S)

T. Arndt, A. Guercio, P. Maresca, and H. Kulkarni

	Conference Banquet
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September 26, 2003

8:45~10:05	Keynote (3)
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Distributed Multimedia Information Systems: An End-to-End Perspective

Dr. Arif Ghafoor

10:05~10:35	Coffee Break
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10:35~12:05	Session 7
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Session 7A	DMS (9): XML Based Applications and Intelligent Multimodal Interaction
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Session Chair	Susanne Boll
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XML Schema Modeling Using Sem-ODM (R)

Li Yang, Naphtali Rische, Maxim Chekmasov, Scott Graham and Ian de Felipe

Implementation of a .NET Distributed Computing Cluster using XML Web Services (R)

Alejandro Simon, Malek Adjouadi, Anaelis Sesin, Craig Mackey, Mark Rossman and Melvin Ayala

Layout Adaptation with XFrames (S)

Istvan Beszteri and Petri Vuorimaa

Intelligent Multimodal Interaction (S)

Smita Bhandarkar, Divya Sathyanarain and Akanksha Singhvi

Session 7B	CNS (6): Cryptanalysis and Security Test
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Session Chair	Dr. Gideon Samid
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An equivalent expression of Rijndael algorithm (R)

Josef Pieprzyk, Xian-Mo Zhang

The Editing Generator and Its Cryptanalysis (R)

Guang Gong and Shaoquan Jiang

A glimpse to non-linear balanced Boolean functions (R)

Guillermo Morales-Luna

An Automatic Security Test Engine for IPv6 Network (R)

Hyeok Chan Kwon

Session 7C	VIS (4): Machine Intelligence in Content-based Retrieval
Session Chair	H S Wong

Recent Parallel Methods for Image Content Interpretation (V)

T. Caelli

Video Summarization Using Greedy Method in a Constraint Satisfaction Framework (V)

L. Shi, I. King and M. R. Lyu

Image Classification in the Compressed Domain (V)

C. I. Chiu, R. H. S. Wong and H. H. S. Ip

Feature Integration, Multi-image Queries and Relevance Feedback in Image Retrieval (V)

Q. Iqbal_ and J. K. Aggarwal

A Model Learning Approach for Collection Fusion of Distributed Image Libraries (V)

S. Berretti, Alberto Del Bimbo and P. Pala

Session 7D	MSEAT (3): Wireless Network
Session Chair	Chih-Yung Chang

Rescue System Based on Location Aware Information Exchange in Mobile AdHoc Network (R)

Andrey Nikolov, Chikara Ohta, and Kuniaki Uehara

An Extenics-based Handover Algorithm for Supporting QoS in Wireless Cellular Network (S)

Liang-Teh Lee, Chen-Feng Wu, Ching-Ren Wei and Der-Fu Tao

Scheduled Share-Tree Multicasting for Bluetooth Networks (V)

San-Yuan Wan, Steen Hsu, Lain-Chyr Hwang, and Ching-Fen Hsieh

Access Control for Documents in Ad-hoc Networks (S)

Matei Ciobanu Morogan, Sead Muftic

12:05~13:30	Lunch
13:30~15:00	Session 8
Session 8A	DMS (10): Virtual Learning Community and Distance Learning Methodologies
Session Chair	Armando Barreto

Augmented Video System Based on Petri Net (R)

Timothy K. Shih, Yi-Chun Liao, and Jung-Ken Chuang

DSC - A Decentralized Synchronous Collaboration P2P System Using JXTA (R)

Jianhua Ma, Makoto Shizuka, Jeneung Lee, Tomomi Kawashima and Runhe Huang

Web-Service Oriented Content Providing for SCORM Compatible LMS Systems (R)

Chu Chih-Ping, Chang Chingpao, Alice, and Yeh Yufang

A Real-Time Interactive Distance Education System for Broad Band Internet Environment (R)

Billy Pham, Kazuo Yana, and Hisato Kobayashi

A SCORM Based Content Aggregation and Presentation system (S)

Timothy K. Shih, Keith Hsieh and Wen-Chih Chang

Session 8B	CNS (7): New methods in security systems and information hiding
Session Chair	Dr. Guillermo Morales-Luna

Using trapdoor permutations in a complete subtree method (R)

Ryo Nojima, Yuichi Kaji

Router Numbering Based Packet Marking (R)

Dequan Li, Purui Su, Dengguo Feng

A new method for embedding order recovery of digital watermarks (R)

Mario Gonzalez.-Lee, Mariko Nanako Miyatake, Hector Perez-Meana

Session 8C	VLC (3): Reasoning on Subjective Visual Perception in visual computing (Invited Session)
Session Chair	Nadia Bianchi-Berthouze

Visualizing User's Emotions for Enhanced Human Computer Interaction (V)

Christine L. Lisetti, Ning Yu, Fatma Nasoz

Is the subjective feel of "presence" an uninteresting goal? (V)

Roberto Casati, Elena Pasquinelli

Interpretation and ambiguity resolution in Sketch-Based Interfaces (V)

Fernando Ferri, Patrizia Grifoni

What Users See Is What Users Need (V)

Daniela Fogli, Antonio Piccinno, Denise Salvi

Exploring Multiple Visualization Perspectives with Aesthetic Computing (V)

Paul Fishwick

Session 8D	MSEAT (4): Agent Technology
Session Chair	P. Venkataram

Modified Diffusion Dynamic Load Balancing Employing Mobile Agents (R)

Magdy Saeb, and Cherine Fathy

Improving Distance Education System using Mobile Agents (R)

R.ILAYARAJA and V.K.Pandey

SAMARA: Security Architecture Multi-Agent-based Risk Assessment Security Process Management (R)

Gustavo A. Santana Torrellas

A Website-Model-Supported New Search Agent (V)

Sheng-Yuan Yang and Cheng-Seen Ho

15:00~15:30	Coffee Break
15:30~17:00	Session 9
Session 9A	DMS (11): Multimedia Technologies for People With Disability
Session Chair	Jason C. Hung

The Berlin Brain-Computer Interface (BBCI) (R)

Roman Krepki, Benjamin Blankertz, Gabriel Curio and Klaus-Robert Mueller

3-D SOUND NAVIGATIONAL AID FOR THE BLIND BASED ON REAL-TIME SONAR RANGE MEASUREMENTS (R)

Armando B. Barreto, Maroof H. Choudhury, and Carlos A. Ordonez

VOICEXML LITE: A STANDARDS-BASED FRAMEWORK FOR SPEECH-ENABLING APPLICATIONS EXECUTING ON COMMODITY NETWORKED MOBILE DEVICES (R)

Stuart Goose, Sreedhar Kodlahalli, and Klaus Lukas

USE OF 3-D SOUND AUDITORY ICONS IN THE ENHANCEMENT OF HUMAN-COMPUTER INTERFACES FOR PARTIALLY SIGHTED USERS (S)

Armando B. Barreto, Hugh, P.O. , and Jacko J.A.

Session 9B	CNS (8): Security protocols in Network environment
Session Chair	Dr. Yi Mu

e-Mask - A Practical Approach to Ensure Anonymity and Accountability on Internet (S)

S. CANARD, S. GUILLOTEAU, E. MALVILLE, J. TRAORE

An Efficient Distributed Password-Authenticated Key Exchange Protocol (S)

Xunhua Wang

Identity-based optimistic fair exchange with transparent signature recovery (S)

Shahrokh Saeednia, Olivier Markowitch and Yves Roggeman

EIGMP: Enhanced IGMP for secure multicast key management (S)

Jianping Wang, Qiong Zhang, Biao Chen

Private Certified E-mail Systems with Electronic Notice Board (S)

Kenji IMAMOTO, Kouichi SAKURAI

An adaptive secure multicast system supporting mobile working (S)

Mahery Andriambololona, Bruno Doolaeghe, Pascal Lefeuve

Session 9C	VLC (4): Specifying and Generating Visual Languages and Environments
Session Chair	Shi-Kuo Chang

A Tool for the Aided Generation of Interactive Visual Environments (R)

R. Cassino, G. Tortora, M. Tucci, and G. Vitiello

CIDER: A Component-Based Toolkit for Creating Smart Diagram Environments (R)

Anthony R. Jansen, Kim Marriott, and Brad Meyer

Exceptions in Visual Data Flow Programming Languages (R)

Philip T. Cox, and Simon Gauvin

Semantic Specifications in Reserved Graph Grammars (S)

Ke-Bing Zhang, Kang Zhang, and Mehmet A.Orgun

Session 9D	MSEAT (5): Internet Routing and Parallel Processing
Session Chair	K. P. Shih

An Efficient Routing Protocol on Bluetooth Group-Scatternet Topology (R)

K. P. Shih, Chih-Yung Chang, Sean S. Wang, and Jen-Hung Su

Building a High Speed Switching System Based on the Ring Shift Register Switch Array (S)

Liang-Teh Lee, Der-Fu Tao, Ching-Ren Wei and Chen-Feng Wu

A Data-Driven Architecture in Extenics Environment (S)

Liang-Teh Lee, Ching-Ren Wei , Chen-Feng Wu and Der-Fu Tao