

## ISM 2007 Detailed Program

- Conference will provide Notebook computer, projector, and Internet connection for the presenters in each conference room.

<b>Monday, December 10</b>	
7:30 – 8:30	<b>Registration</b> Room: Hallway in front of the Splendor Room II
8:30 – 8:40	<b>Welcome from Conference Chair</b> Room: Splendor Room II
8:40 – 9:40	<b>Keynote (1)</b> Room: Splendor Room II  Chair: Dr. Jeffrey Tsai, University of Illinois at Chicago, USA
	<b>Quality Assessment of VoIP Systems over the Internet</b>  Dr. Benjamin W. Wah, University of Illinois, Urbana-Champaign, USA
9:40 – 10:00	Coffee Break
10:00 – 12:00	<b>Session 1</b>
<b>Parallel Session 1</b>	<b>ISM (1): Image and Video Processing (1)</b>
Room	Splendor Room II
Session Chair	Dr. Daniel C Doolan
	Complexity Reduction and Fast Algorithm for 2-D Integer Discrete Wavelet Transform Using Symmetric Mask-Based Scheme  Chih-Hsien Hsia, Jing-Ming Guo, and Jen-Shiun Chiang
	Local Binary Patterns for Human Detection on Hexagonal Structure  Xiangjian He, Jianmin Li, Yan Chen, Qiang Wu, and Wenjing Jia
	Adaptive Early Termination for Fast H.264 Video Coding  Chung-Yen Su and Shu-Li Chang
	Moving Region Detection by Transportation Problem Solving  Takanori Yokoyama, Sho Furukawa, and Toshinori Watanabe
	Spatial-Temporal Error Detection Scheme for Video Transmission over Noisy Channels  Guan-Lin Wu and Shao-Yi Chien
<b>Parallel Session 1</b>	<b>W2ME (1): Web 2.0 in Education</b>
Room	Fong Lo Room I
Session Chair	Dr. Masakatsu Matsuishi
	Requirements for a Web 2.0 Course Management System of

	Engineering Education Daisuke Takago, Masakatsu Matsuishi, Hironobu Goto, and Masahiro Sakamoto
	Comparing the Social Interaction Pattern of Online One-on-one Peer and Small Group Collaboration Activities Piyanan Nuankhieo, I-Chun Tsai, Sean Goggins, and James Laffey
	Social Tagging in a Mobile Learning Environment D. Taibi, M. Gentile, M. Arrigo, L. Seta, O. Di Giuseppe, G. Novara, and G. Fulantelli
	A Web 2.0 Synchronous Learning Environment using AJAX Yen-Ting Lin, Yi-Chiun Chi, Lien-Chien Chang, Shu-Chen Cheng, and Yueh-Min Huang
	Wiki Technology as a Scaffolding Tool in Education Yu-Chien Chen
	Using Tags to Construct the Digital Resource Management System Ruey-Ming Chao, Sheng-Wen Lo, and Jia-Nan Chang
<b>Parallel Session 1</b>	<b>MIPR (1): Multimedia Data Indexing and Retrieval</b>
Room	Fong Lo Room II
Session Chair	Dr. Chih-Yi Chiu
	Efficient Histogram-based Indexing for Video Copy Detection Chih-Yi Chiu, Jenq-Haur Wang, and Hung-Chi Chang
	Application of Diffusion Kernel in Multimodal Image Retrieval Rajeev Agrawal, Farshad Fotouhi, William Grosky, and Changhua Wu
	Semantic Retrieval of Instructional Videos Chekuri Choudary, Tiecheng Liu, and Chin-Tser Huang
	Content-Based Video Retrieval Using Video Ontology Kazuyuki Otaka, Kimiaki Shirahama, and Kuniaki Uehara
<b>Parallel Session 1</b>	<b>SS (1)</b>
Room	Fong Lo Room III
Session Chair	Dr. Shian-Shyong Tseng
	The Simulation of Tsunami Wave Propagation Yen-Ting Kuo and Zen-Chung Shih
	Upmixing and Downmixing Two-channel Stereo Audio for Consumer Electronics

	Mingsian R. Bai, Geng-Yu Shih, and Jih-Ren Hong
	Constructing a Role Playing Interactive Learning Content Model Dung-Chiuan Wu, Huan-Yu Lin, Shian-Shyong Tseng, Jui-Feng Weng, and Jun-Ming Su
12:00 – 13:00	Lunch (Provided by Conference)
13:00 – 14:00	<b>Keynote (2)</b> Room: Splendor Room II  Chair: Kinji Mori, Tokyo Institute of Technology, Japan
	<b>The Role of QoE on IPTV Services</b>  Dr. Jay Kishigami, NTT Cyber Solutions Laboratory, Tokyo, Japan
14:10 – 15:40	<b>Session 2</b>
<b>Parallel Session 2</b>	<b>ISM (2): Multimedia Security</b>
Room	Splendor Room II
Session Chair	Dr. Ashish Gehani
	Information Hiding in Real-time VoIP Streams  Chungyi Wang and Quincy Wu
	VEIL: A System for Certifying Video Provenance  Ashish Gehani and Ulf Lindqvist
	Quality Compressed Steganography Using Hidden Referenced Halftoning  Jing-Ming Guo and Jen-Ho Chen
	Automatic Feature-based Face Scoring in Surveillance Systems  Tse-Wei Chen, Shou-Chieh Hsu, and Shao-Yi Chien
<b>Parallel Session 2</b>	<b>W2ME (2): Multimedia in Education</b>
Room	Fong Lo Room I
Session Chair	Dr. Gwo-Jen Hwang
	Filipiniana.NET: Supporting Community Research Activities within an Indexed Digital Library  Danny C. Cheng, Solomon See, and Lloyd Espiritu
	The Differential Effects of Computer Use on Academic Performance of Students from Immigrant and Gender Groups: Implications on Multimedia Enabled Education  Sunha Kim and Mido Chang
	Rapid ADDIE Curriculums Design Model Based on the Heterogeneous Multimedia Information Integration

	Chang-Yen Lai and Wen-Ching Liou
	Mobilizing Blog for Co-independent Learning Interactions: From Field Research to Multimedia Fieldnotes  Ju-Ling Shih
	Improvement of Learning Styles Diagnosis based on Outliers Reduction of User Interface Behaviors  Tae Bok Yoon, Mi Ae Choi, Eric Wang, Jee Hyong Lee, and Yong Se Kim
<b>Parallel Session 2</b>	<b>MIPR (2): Multimedia Data Modeling and Data Mining</b>
Room	Fong Lo Room II
Session Chair	Dr. Keiji Yanai
	Automatic Hierarchical Classification of Emotional Speech  Zhongzhe Xiao, Emmanuel Dellandrea, Weibei Dou, and Liming Chen
	An Evaluation of Feature Extraction for Query-by-Content Audio Information Retrieval  Yi Yu, Stephen Downie, and Kazuki Joe
	Query by Example in Large Databases using Key-Sample Distance Transformation and Clustering  Marko Helen and Tommi Lahti
	Web Image Gathering with a Spatial Pyramid Kernel  Keiji Yanai
<b>Parallel Session 2</b>	<b>SS (2)</b>
Room	Fong Lo Room III
Session Chair	Dr. Shian-Shyong Tseng
	Using Content Analysis Technique to Enhance Content Adaptation System  Frank J.J. Wu and Stephen J.H. Yang
	Hybrid Teaching Assistant for Developing Students Interactivity and Comprehension  Yousef Awwad, Hsien Tang Lin, and Shyan Ming Yuan
	Research on Reasoning and Modeling of Solving Mathematics Situation Word Problems of Primary Schools  Yao-Ming Yeh, Wen-Tsung Pai, Wen-Jeng Tzeng, Chih-Ching Yeh, Chi-Nung Chu, and Yun-Lung Lin
15:40 – 16:00	Coffee Break
16:00 – 17:30	<b>Session 3</b>

<b>Parallel Session 3</b>	<b>ISM (3): Mobile Multimedia Systems and Services (1)</b>
Room	Splendor Room II
Session Chair	Dr. Eckehard Steinbach
	A Staggered FEC System for Seamless Handoffs in Wireless LANs: Implementation Experience and Experimental Study  Hang Liu, Mingquan Wu, Dekai Li, Saurabh Mathur, Kumar Ramaswamy, Liqiao Han, and Dipankar Raychaudhuri
	Support Strong Consistency for Mobile Dynamic Contents Delivery Network  Zhou Su, Jiro Katto, and Yasuhiko Yasuda
	Performance Analysis of Distributed Speech Recognition Services over Noisy 802.11b Wireless Networks  Alessandro Rinotti, Piero Demichelis, and Juan Carlos De Martin
	An Open Source Architecture for Low-Latency Video Streaming on PDAs  Giovanni Gualdi, Andrea Prati, and Rita Cucchiara
<b>Parallel Session 3</b>	<b>W2ME (3): Social Interaction and Group Learning</b>
Room	Fong Lo Room I
Session Chair	Dr. Nian-Shing Chen
	A GroupNet System for Supporting Mobile Learning  Nian-Shing Chen, Kinshuk, Chun-Wang Wei, and Wei-Sheng Chen
	E-Learning 2.0: Social Software for Educational Use  Bram De Wever, Peter Mechant, Pieter Veevaete, and Laurence Hautekeete
	Hunting Suicide Notes in Web 2.0 – Preliminary Findings  Yen-Pei Huang, Tiong Goh, and Chern Li Liew
	The Application of Digital Teaching Portfolios and Blog Portfolios on Teacher Evaluation  Yao-Ting Sung, Kuo-Nan Mao, Kuo-En Chang, Jun-Ting Liu, and Han-Je Su
	Managing Learning Resources in University Undergraduate Project Study  Lam-For Kwok and Ching-Hang Cheung
<b>Parallel Session 3</b>	<b>MIPR (3): Multimedia Applications</b>
Room	Fong Lo Room II
Session Chair	Dr. Wolfgang Muller
	Hunt the Cluster: A Scalable, Interactive Time Bayesian Image

	<p>Browser for P2P Networks</p> <p>Wolfgang Muller, Soufyane El Allali, Daniel Blank, Andreas Henrich, and Thomas Lauterbach</p>
	<p>Beta Random Projection</p> <p>Yu-En Lu, Pietro Lio, and Steven Hand</p>
	<p>Fast and Efficient Face Image Browsing System on Consumer Electronics Devices</p> <p>Duck Hoon Kim, YongSung Kim, and HeeSeon Park</p>
	<p>Animating Tree Branch Breaking and Flying Effects for a 3D Interactive Visualization System for Hurricanes and Storm Surge Flooding</p> <p>Khalid Saleem, Shu-Ching Chen, and Keqi Zhang</p>
<b>Parallel Session 3</b>	<b>AIM (1): Audio, Image, and Video Processing (1)</b>
Room	Fong Lo Room III
Session Chair	Dr. Wasfi Al-Khatib
	<p>A Leading Sign Grouping with Direct Table Lookup Approach for AAC Huffman Decoding</p> <p>Chun-Nan Liu, Tsung-Han Tsai, and Shau-Yin Tseng</p>
	<p>Joint Adaptive GOP and SCD Coding for Improving H.264 Scalable Video Coding</p> <p>Jun-Ren Ding and Jar-Ferr Yang</p>
	<p>Eoro-Diffusion Fitting of Direct-Binary-Search Halftones</p> <p>Ken-Chung Ho and Jing-Cheng Liao</p>
18:30 – 21:00	<b>Banquet</b>
	<b>Room: Splendor I</b>
19:30 – 20:30	<b>Banquet Keynote (3)</b>
	Chair: Dr. Jeffrey Tsai, University of Illinois at Chicago, USA
	<b>An Overview of III</b>
	Dr. Ming-Syan Chen, Institute of Information Industry, Taiwan
<b>Tuesday, December 11</b>	
7:30 – 8:00	<b>Registration</b>
	Room: Hallway in front of the Splendor Room II
8:00 – 9:00	<b>Keynote (4)</b>
	Room: Splendor Room II
	Chair: Homer Chen, National Taiwan University, Taiwan

	<b>Internet and Multimedia System Challenges in Next Generation Tele-immersive Environments</b>  Dr. Klara Nahrstedt, University of Illinois, Urbana-Champaign, USA
9:00 – 9:20	Coffee Break
9:20 – 11:20	<b>Session 4</b>
<b>Parallel Session 4</b>	<b>ISM (4): Image and Video Processing (2)</b>
Room	Splendor Room II
Session Chair	Dr. Jonathan Liu
	Summarization of Wearable Videos based on User Activity Analysis  Ravi Katpelly, Tiecheng Liu, and Chin-Tser Huang
	Feature-Based Full-Frame Image Stabilization  Chih-Yuan Chung and Homer H. Chen
	Event-Based Segmentation of Sports Video Using Motion Entropy  Chen-Yu Chen, Jia-Ching Wang, Jhing-Fa Wang, and Yu-Hen Hu
	RISA: A Real-time Interactive Shadow Avatar  Yangmi Lim, Jinsu Kim, and Jinseok Chae
<b>Parallel Session 4</b>	<b>IS: Industrial Session</b>
Room	Fong Lo Room I
Session Chairs	Drs. Jen-Yao Chung and Shian-Shyong Tseng
	Comfort Taxi: Managing Service Supply Chain in Transpiration Industry  Sheng-Tsung Hou
	Makes Inroads into Telematics/Infotainment Market? - A Challenge to Taiwan Information and Communication Technology Industry  Yung-Hsin Chen and Chi-Chang Liu
	Improved P2P Streaming in Wireless Networks Utilizing Access Point P2P Agents  Chung-Yi Lai, Chiun-Sheng Hsu, and Tzyh-Jong Shang
	A Semiconductor Photolithography Overlay Analysis System Using Image Processing Approach  Yao Tsung Lin, Chiang Chou Hsu, and Shian-Shyong Tseng
<b>Parallel Session 4</b>	<b>SVCT (1): H.264/AVC &amp; SVC Coding</b>
Room	Fong Lo Room II
Session Chair	Dr. Wen-Hsiao Peng
	A Parallelism Encoding Framework for the Temporal Scalability of

	H.264/AVC Scalable Extension  Shu-Sian Yang, Sung-Wen Wang, Hong-Ming Chen, and Ja-Ling Wu
	Bandwidth-Efficient Encoder Framework for H.264/AVC Scalable Extension  Yi-Hau Chen, Tzu-Der Chuang, Yu-Jen Chen, and Liang-Gee Chen
	Scalable Lossless Video Coding based on Adaptive Motion Compensated Temporal Filtering  Yin-Tsung Hwang, Cheng-Chen Lin, Kuan-Hsun Tseng, and Yi-Chen Chang
	Computation-Aware Intra-Mode Decision for H.264 Coding and Transcoding  Jhih-Shen Shen, Chih-Hung Chen, Chia-Ming Tsai, and Chia-Wen Lin
<b>Parallel Session 4</b>	<b>AIM (2): Multimedia Modeling and Retrieval</b>
Room	Fong Lo Room III
Session Chair	Dr. Hang Liu
	A Prefetching Server for Reducing Startup Time of Embedded Multimedia  Mojgan Soraya, Adam Serbinski, and Abdolreza Abhari
	Media Sink Elements for Modeling Data-driven Multimedia Presentations  Feng-Cheng Lin, Pai-Hsun Chen, and Jen-Shin Hong
	Scrap: Data Reorganization and Placement of Two Dimensional Scalable Video in a Disk Array-based Video Server  Seung-Ho Lim, Mak-Keun Seo, and Kyu Ho Park
	Semantic Clustering for Region-based Image Retrieval  Ying Liu, Xin Chen, Chengcui Zhang, and Alan Sprague
	Perceived Similarity and Visual Descriptions in Content-Based Image Retrieval  Yuan Zhong, Lei Ye, Wanqing Li, and Philip Ogunbona
11:20 – 13:00	Lunch (Provided by Conference)
13:00 – 14:00	<b>Keynote (5)</b> Room: Splendor Room II  Chair: Dr. Laurence T. Yang, St. Frances Xavier University, Canada

	<p><b>A New Image Compression Scheme Based on Locally Adaptive Coding</b></p> <p>Dr. Chin-Chen Chang, Feng Chia University, Taiwan, R.O.C.</p>
14:10 – 15:40	<b>Session 5</b>
<b>Parallel Session 5</b>	<b>ISM (5): Mobile Multimedia Systems and Visualization</b>
Room	Splendor Room II
Session Chair	Dr. Daniel C Doolan
	<p>Supporting Video Data in Wireless Sensor Networks</p> <p>Ju Wang, Mbonisi Masilela, and Jonathan C. L. Liu</p>
	<p>Accelerating Embedded Multimedia Applications with Versatile and Reconfigurable Instruction Fusion</p> <p>Allen C. Cheng</p>
	<p>Layered Clustering for Solar Powered Wireless Visual Sensor Networks</p> <p>Xiaoming Fan, William Shaw, and Ivan Lee</p>
	<p>Realistic Character Motion Response in Computer Fighting Game</p> <p>Huai-Che Lee, Chia-Ming Chang, Jui-Shiang Chao, and Wei-Te Lin</p>
<b>Parallel Session 5</b>	<b>ISM (6): Audio Processing and Multimedia Networking</b>
Room	Fong Lo Room I
Session Chair	Dr. Amar Ramdane-Cherif
	<p>Detection of Questions in Arabic Audio Monologues Using Prosodic Features</p> <p>Omair Khan, Wasfi Al-Khatib, and Cheded Lahouari</p>
	<p>Multi-Stream Asynchrony Modeling for Audio-Visual Speech Recognition</p> <p>Guoyun Lv, Dongmei Jiang, Rongchun Zhao, and Yunshu Hou</p>
	<p>Improving Throughput and Node Proximity of P2P Live Video Streaming through Overlay Adaptation</p> <p>Bartosz Biskupski, Raymond Cunningham, and Rene Meier</p>
	<p>MuMiVA: a Multimedia Delivery Platform Using Format-Agnostic, XML-Driven Content Adaptation</p> <p>Davy Van Deursen, Sarah De Bruyne, Wim Van Lancker, Wesley De Neve, Davy De Schrijver, Hermann Hellwagner, and Rik Van de Walle</p>
	<p>Joint Network and Rate Allocation for Video Streaming over Multiple Wireless Networks</p>

	Dan Jurca, Wolfgang Kellerer, Eckehard Steinbach, Shoaib Kahn, Srisakul Thakolsri, and Pascal Frossard
<b>Parallel Session 5</b>	<b>SVCT (2): H.264/AVC &amp; SVC Transport</b>
Room	Fong Lo Room II
Session Chair	Dr. Chia-Wen Lin / Dr. John K. Zao
	Rate-Distortion Optimized SVC Bitstream Extraction for Heterogeneous Devices: A preliminary Investigation  Wen-Hsiao Peng, Lin-Shung Huang, John K. Zao, Jiun-Shien Lu, Tse-Wei Wang, Hsueh-Ting Huang, and Lun-Chia Kuo
	Error Resilient Motion Estimation and Mode Decision for Robust H.264/AVC Video Transmission  Wen-Nung Lie and Zhi-Wei Gao
	Layered Congestion Control for Scalable Video Coding Based on the Efficient Bandwidth Inference  S. S. Wang, Hsu-Feng Hsiao, and Suh-Yin Lee
<b>Parallel Session 6</b>	<b>AIM (3): Audio, Image, and Video Processing (2)</b>
Room	Fong Lo Room III
Session Chair	Dr. Chin-Tser Huang
	A Video Watermarking Scheme Based on 3D-DWT and Neural Network  Xuefang Li and Rangding Wang
	Dynamic Search Range Control For H.264  Tien-Ying Kuo, Jun-Jie Shu, and Hsin-Ju Lu
	Development of a Multimedia-Based Vehicle Lane Departure Warning, Forward Collision Warning and Event Video Recorder Systems  Che-Chung Lin, His-Wen Hsieh, Dau-Chen Huang, Chi-Wei Lin, Yung-Sheng Liao, and Yung-Hsin Chen
15:40 – 16:00	Coffee Break
16:00 – 17:30	<b>Session 6: Demonstrations</b>
Room	Hallway in front of the Fong Lo Rooms
Session Chair	Dr. Chengcui Zhang
	VisualFlamenco: Faceted Browsing for Visual Features  Wolfgang Müller, Markus Zech, and Andreas Henrich
	HTC, a fast P2P image Browser based on JXTA

	Wolfgang Müller, Soufyane El Allali, Daniel Blank, Andreas Henrich, and Thomas Lauterbach
	MiruSinger: A Singing Skill Visualization Interface Using Real-Time Feedback and Music CD Recordings as Referential Data  Tomoyasu Nakano, Masataka Goto, and Yuzuru Hiraga
	Decomposition of Educational Presentation Systems  Georg Turban and Max Muhlhauser
	A Multi-camera Approach to Vehicle Tracking based on Features  Lin Yang, John Johnstone, and Chengcui Zhang
	Multi-Party HD Conferencing System for Wired and Wireless Networks  Beomjoo Seo and Roger Zimmermann
	An Online Multiple Instance Learning System for Semantic Image Retrieval  Chengcui Zhang, Xin Chen, and Wei-Bang Chen
	MIA: A UIMA-Based Microarray Image Analysis System  Wei-Bang Chen, Chengcui Zhang, Wen-Lin Liu, and Richa Tiwari
	Children's Art E-Museum—Multimedia Web-Based Learning Study  Pei-Chi Ho, Kuo-Kuang Fan, and Szu-Ming Chung
18:00 – 19:30	<b>Dinner (Provided by Conference)</b> <b>Room: Splendor I</b>
18:30 – 19:30	<b>Keynote (6)</b>  Chair: Dr. Shu-Ching Chen, Florida International University, USA
	<b>Intelligent Multimedia Processing for Human-Centric Digital Life</b>  Dr. Jhing-Fa Wang, National Cheng Kung University, Taiwan
<b>Wednesday, December 12</b>	
7:30 – 8:00	<b>Registration</b> Room: Hallway in front of the Splendor Room II
8:00 – 9:00	<b>Keynote (7)</b> Room: Splendor Room II  Chair: Dr. Dick Bulterman, CWI, The Netherlands
	<b>Making Sense of Ubiquitous Media</b>

	Dr. Max Muhlhauser, Darmstadt University of Technology, Germany
9:00 – 9:20	Coffee Break
9:20 – 11:40	<b>Session 7</b>
<b>Parallel Session 7</b>	<b>ISM (7)</b>
Room	Splendor Room II
Session Chair	Dr. Max Muhlhauser
	An Adaptive Audio Quantizer for Voip Systems  Ricardo Bertagna, Rodrigo Mello, and Laurence T. Yang
	Realistic Character Motion Response in Computer Fighting Game  Huai-Che Lee, Chia-Ming Chang, Jui-Shiang Chao, Wei-Te Lin
	Analysis of a New Ubiquitous Multimodal Multimedia Computing System  Amar Ramdane-Cherif, Manolo Dulva Hina, Chakib Tadj, and Nicole Levy
	Implementation and Evaluation of Late Data Choice for TCP in Linux  Erlend Birkedal, Carsten Griwodz, and Pål Halvorsen
	Multiuser Mobile Multimedia  Daniel C. Doolan, Laurence T. Yang, and Sabin Tabirca
<b>Parallel Session 7</b>	<b>MASP: Multimedia Audio and Speech Processing: Advancing the State-of-the-art</b>
Room	Fong Lo Room I
Session Chair	Dr. Shi-Huang Chen
	Evaluation of Speech Enhancement Techniques for Speaker Identification in Noisy Environments  A. El-Solh, A. Cuhadar, and R.A. Goubran
	Single Stream DBN Model Based Triphone for Continuous Speech Recognition  Guoyun Lv, Dongmei Jiang, and Rongchun Zhao
	Usefulness of Residual-based Features in Speaker Verification and Their Combination Way With Linear Prediction Coefficients  Wei-Chih Hsu, Wen-Hsing Lai, and Wei-Ping Hong
	Voice Activity Detection in Car Environment Using Support Vector Machine and Wavelet Transform  Shi-Huang Chen, Rodrigo Capobianco Guido, and Shih-Hao Chen
	Improved Dynamic Time Warping based on The Discrete Wavelet

	<p>Transform</p> <p>Sylvio Barbon Junior, Rodrigo Capobianco Guido, Shi-Huang Chen, Lucimar Sasso Vieira, and Fabricio Lopes Sanchez</p>
<b>Parallel Session 7</b>	<b>MTEL (1): Systems &amp; Architectures</b>
Room	Fong Lo Room II
Session Chairs	Drs. Gerald Friedland, Lars Knipping, and Nadine Ludwig
	Introductory Remarks
	<p>Learning Activity-based E-Learning Material Recommendation System</p> <p>Feng-Jung Liu and Bai-Jiun Shih</p>
	<p>A Service-Oriented Architecture for Constructing Ontology-Based Learning Objects Repository</p> <p>Chang-Yen Lai and Wen-Ching Liou</p>
<b>Parallel Session 7</b>	<b>CMMIDMH (1): Systems</b>
Room	Fong Lo Room III
Session Chair	Dr. Pablo Cesar
	Keynote Talk: Mark Randolph, Motorola, Singapore
	<p>Enabling Pro-Active User-Centered Recommender Systems: An Initial Evaluation</p> <p>Dick C.A. Bulterman, Pablo Cesar, Jack Jansen, Hendrik Knoche, and William Seager</p>
	<p>Interacting with Digital Media at Home via a Second Screen</p> <p>Emmanuel Tseklevs, Leon Cruickshank, Annette Hill, Koko Kondo, and Roger Whitham</p>
	<p>Enhancing Multimodal Annotations with Pen-Based Information</p> <p>Maria G. Pimentel, Rudinei Goularte, Renan G. Cattelan, Felipe S. Santos, and Cesar Teixeira</p>
11:40 – 13:00	Lunch (Provided by Conference)
13:00 – 14:00	<p><b>Keynote (8)</b></p> <p>Room: Splendor Room II</p> <p>Chair: Dr. Shu-Ching Chen, Florida International University, USA</p>
	<p><b>Optimal Control of Integrated Multimedia Networks with Shared Facilities</b></p> <p>Dr. Boris Verkhovsky, New Jersey Institute of Technology, USA</p>
14:00 – 14:20	<p><b>Best Paper Award and Best Student Paper Award Ceremony</b></p> <p>Room: Splendor Room II</p>
14:20 – 15:50	<b>Session 8</b>

<b>Parallel Session 8</b>	<b>ISM (8): Multimedia Database and Information Retrieval</b>
Room	Splendor Room II
Session Chair	Dr. Xiangjian He
	A Temporal UID Matrix Strategy for Indexing Video Databases  Ye-In Chang, Wei-Horng Yeh, Jiun-Rung Chen, and You-Cheng Chen
	An Unified Framework Based on p-Norm for Feature Aggregation in Content-Based Image Retrieval  Jun Zhang and Lei Ye
	Efficient and Effective Video Copy Detection Based on Spatiotemporal Analysis  Chih-Yi Chiu, Cheng-Chih Yang, and Chu-Song Chen
	Motion Retrieval Based on Energy Morphing  Gary K. L. Tam, Qingzheng Zheng, Mark Corbyn, and Rynson W. H. Lau
<b>Parallel Session 8</b>	<b>MTEL (2): User Interfaces</b>
Room	Fong Lo Room II
Session Chairs	Drs. Gerald Friedland, Lars Knipping, and Nadine Ludwig
	Common Paper as Interface in the Digital TV  Fabio de Jesus Lima Gomes, Jose Valdimi Lima, Rosane Aragon de Nevado, and Jose Palazzo M. de Oliveira
	Experiences from Developing of Educational Presentation System  Georg Turban and Max Muhlhauser
	Visualizing Large-Screen Electronic Chalkboard Content on Handheld Devices  Alexander Lüning, Gerald Friedland, Lars Knipping, and Raul Rojas
<b>Parallel Session 8</b>	<b>CMMIDMH (2): Languages and Metadata</b>
Room	Fong Lo Room III
Session Chair	Dr. Dick Bulterman
	Keynote Talk: Ian Kegel, BT, UK
	A Resource Identification Mechanism for Interactive DTV Systems  Marcio Ferreira Moreno, Rogerio Ferreira Rodrigues, and Luiz Fernando Gomes Soares
	Managqyement of QoS Metadata for Consuming Interactive Digital Media at Home  Artur Lugmayr

	Interactivity and Narrativity in Screen-Media Marian F. Ursu, Maureen Thomas, Mika L. Tuomola, Terry Wright, Doug Williams, and Vilmos Zsombori
15:50 – 16:10	Coffee Break
16:10 – 17:40	<b>Session 9</b>
<b>Parallel Session 9</b>	<b>ISM (9): Multimedia Applications</b>
Room	Splendor Room II
Session Chair	Dr. Allen Cheng
	A General Scheme for Extracting QR Code from Non-Uniform Background in Camera Phones and Applications Yu-Hsuan Chang, Chung-Hua Chu, and Ming-Syan Chen
	Scratch Line Removal on Aged Films Yang-Ta Kao, Timothy K. Shih, Hsing-Ying Zhong, and Liang-Kuang Dai
	Optimizing Cache Performance of the Discrete Wavelet Transform Using a Visualization Tool Jie Tao, Asadollah Shahbahrani, Ben Juurlink, Rainer Buchty, Wolfgang Karl, and Stamatis Vassiliadis
	Magic Mirror Jun-Ren Ding, Chien-Lin Huang, Jin-Kun Lin, Jar-Ferr Yang, and Chung-Hsien Wu
<b>Parallel Session 9</b>	<b>MTEL (3): Authoring &amp; Content</b>
Room	Fong Lo Room II
Session Chairs	Drs. Gerald Friedland, Lars Knipping, and Nadine Ludwig
	Searching for Classes of Visual Content in Electronic Lectures Peter Ziewer, Martin Ebner, Christian Safran, and Wolfgang Slany
	Authoring Multimedia Learning Material Using Open Standards and Free Software Alberto Gonzalez Tellez
	Vector Graphics for Web Lectures: Comparing Adobe Flash 9 and SVG Markus Ketterl, Robert Mertens, and Oliver Vornberger
	Closing Discussion
<b>Parallel Session 9</b>	<b>AIM (4): Multimedia Networking and Applications</b>
Room	Fong Lo Room III
Session Chair	Dr. Ivan Lee
	Media presentation Synchronization in Non-monolithic Rendering Architectures

	Ishan Vaishnavi, Dick Bulterman, Pablo Cesar, and Bo Gao
	MINI - Making MIDI fit for Real-time Musical Interaction over the Internet  Michael Welzl, Max Muhlhauser, and Jan Borchers
	Social Sharing of Television Content: An Architecture  Pablo Cesar, Dick C.A. Bulterman, and A.J. Jansen
	Foreground Object Detection based on Multi-model Background Maintenance  Tsung-Han Tsai, Wen-Tsai Sheu, and Chung-Yuan Lin
17:40 – 18:30	<b>Wrap up session and ISM'08 planning meeting</b>
Room	Splendor Room II
Session Chair	Chair: Dr. Phillip C.Y. Sheu, University of California, Irvine, USA