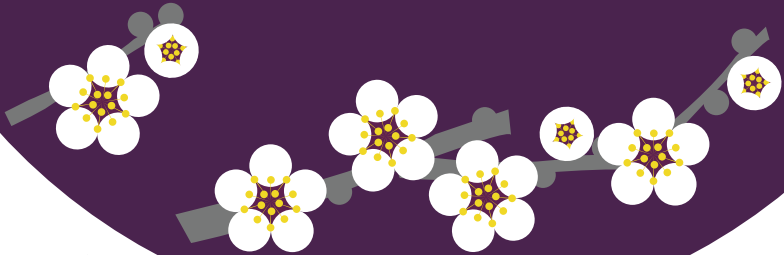


The 14th International
MultiMedia Modeling Conference

MMM2008

9-11 January, 2008
Kyoto University, Japan

Conference **PROGRAM**





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CHAIRS' MESSAGE

Welcome to the 14th International Multimedia Modeling Conference (MMM2008), held January 9–11, 2008 at Kyoto University, Kyoto, Japan. MMM is a leading international conference for researchers and industry practitioners to share their new ideas, original research results and practical development experiences from all multimedia-related areas.

It is a great honor to have MMM2008, one of the most long-standing multimedia conferences, at one of the most beautiful and historically important Japanese cities. Kyoto was an ancient capital of Japan, and was and still is at the heart of Japanese culture and history. Kyoto in winter may distinctively offer the sober atmosphere of an ink painting. You can enjoy old shrines and temples which are designated as World Heritage Sites. The conference venue is the Clock Tower Centennial Hall in Kyoto University, which is one of the oldest universities in Japan.

MMM2008 features a comprehensive program including three keynote talks, six oral presentation sessions, and two poster and demo sessions. The 133 submissions included a large number of high-quality papers in multimedia content analysis, and services. We thank our 137 Technical Program Committee members and reviewers who spent many hours reviewing papers and providing valuable feedbacks to the authors. Based on the 3 or 4 reviews per paper the Program Chairs decided to accept only 23 as oral papers and 24 as poster papers, where each type of presentation could in addition present the work as a demo. The acceptance rate of 36% follows the MMM tradition of fulfilling fruitful discussions throughout the conference. Additionally, three paper awards were chosen: the Best Paper Award, the Best Student Paper Award, and the Best Poster Award.

The technical program is an important aspect but only provides its full impact if surrounded by challenging keynotes. We are pleased with and thankful to our keynote speakers, Tsuhan Chen, Shigeo Morishima and Tat-Seng Chua, for having accepted to present at MMM2008.

We are also heavily indebted to many individuals for their significant contribution. We thank the MMM Steering Committee for their invaluable input and guidance in crucial decisions. We wish to acknowledge and express our deepest appreciation to the Organizing Co-chairs, Yuichi Nakamura and Ichiro Ide, the Finance Chair, Shigeyuki Sakazawa, the Publication Co-chairs, Toshihiko Yamazaki and Hiroshi Mo, the Publicity and Sponsorship Chair, Naoko Nitta, and the Local Arrangement Committee and Conference Management services. Without their efforts and enthusiasm, MMM2008 would not have been made a reality.

We gratefully thank the Media Center, Kyoto University, and the Support Center for Advanced Telecommunications Technology Research Foundation (SCAT), International Communications Foundation (ICF) and the Telecommunications Advancement Foundation (TAF) for their generous support of MMM2008, which made several key aspects of the conference possible.

Finally, we wish to appreciatively thank all Committee members, reviewers, session Chairs, student volunteers and supporters. Their contributions cannot be measured in words.

January 2008

Kiyoharu Aizawa
Noboru Babaguchi

Shin'ichi Satoh
Frank Nack
Minoru Etoh



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Academic Center for Computing and Media Studies, Kyoto University
MEXT Leading Project “Development of Fundamental Software Technologies for Digital Archives”



KEYNOTE SPEECHES

Keynote Speech 1

Wednesday, January 9, 10:15 – 11:15

“Unsupervised Discovery of Objects and Object Hierarchy in Video: Content Extraction Made Easy”

Professor Tsuhan Chen
(Carnegie Mellon University, USA)

Abstract

Based on the bag-of-words representation, statistical models have recently become a popular approach to object discovery, i.e., extracting the “object of interest” from a set of images in a completely unsupervised manner. In this talk, we will outline this approach and extend it from still images to motion videos. We will propose a novel spatial-temporal framework that applies statistical models to both appearance modeling and motion modeling. The spatial and temporal models are integrated so that motion ambiguities can be resolved by appearance, and appearance ambiguities can be resolved by motion. In addition, with statistical modeling we can extract hierarchical relationships among objects, completely driven by data without any manual labeling. This framework finds application in video retrieval (e.g., for YouTube or Google Video) and video surveillance.



Biography: Dr. Tsuhan Chen has been with the Department of Electrical and Computer Engineering, Carnegie Mellon University, Pittsburgh, Pennsylvania, since October 1997, where he is currently Professor and Associate Department Head. From August 1993 to October 1997, he worked at AT&T Bell Laboratories, Holmdel, New Jersey. He received the M.S. and Ph.D. degrees in electrical engineering from the California Institute of Technology, Pasadena, California, in 1990 and 1993, respectively. He received the B.S. degree in electrical engineering from the National Taiwan University in 1987.

Tsuhuan served as the Editor-in-Chief for IEEE Trans. on Multimedia in 2002–2004. He also served in the Editorial Board of IEEE Signal Processing Magazine and as Associate Editor for IEEE Trans. on Circuits and Systems for Video Technology, IEEE Trans. on Image Processing, IEEE Trans. on Signal Processing, and IEEE Trans. on Multimedia. He co-edited a book titled Multimedia Systems, Standards, and Networks.

Tsuhuan received the Charles Wilts Prize at the California Institute of Technology in 1993. He was a recipient of the National Science Foundation CAREER Award, from 2000 to 2003. He received the Benjamin Richard Teare Teaching Award at the Carnegie Mellon University in 2006. He is elected to the Board of Governors, IEEE Signal Processing Society, 2007–2009. He is a member of the Phi Tau Phi Scholastic Honor Society. He is Fellow of IEEE, and a Distinguished Lecturer of the Signal Processing Society.



Keynote Speech 2

Thursday, January 10, 9:15 – 10:15

“Instant Casting Movie System for Entertainment Revolution”

**Professor Shigeo Morishima
(Waseda University, Japan)**

Abstract

Our research project, Dive into Movie (DIM) aims to build a new genre of interactive entertainment which enables anyone to easily participate in a movie by assuming a role and enjoying an embodied, first-hand theater experience. This is specifically accomplished by replacing the original roles of the precreated traditional movie with user created, high-realism, 3-D CG characters. DIM movie is in some sense a hybrid entertainment form, somewhere between a game and storytelling. We hope that DIM movies might enhance interaction and offer more dramatic presence, engagement, and fun for the audience. Our work on DIM is ongoing, but its initial version, Future Cast System (FCS), is up and running. In the initial version, we focus on creating audiences' highrealism 3-D CG characters with personal facial characteristics, replacing the original characters' faces in the original traditional (background) movie. The FCS system has two key features: First, it can full-automatically create a CG character in a few minutes from capturing the facial feature of a user and generating her/his corresponding CG face, to inserting the CG face into the movie in real-time which do not cause any discomfort to the participant; Second, the FCS system makes it possible for multiple participants to take part in a movie at the same time in different roles, such as a family, a circle of friends, etc. The FCS system is not limited to academic research; 1.6 million people enjoyed a FCS entertainment experience at the Mitsui-Toshiba pavilion at the 2005 World Exposition in Aichi, Japan. I introduce this on going DIM project and review FCS experience in Expo 2005.



Biography: Dr. Shigeo Morishima is the Professor of Faculty of Science and Engineering, Waseda University. He received the B.S., M.S. and Ph.D. degrees, all in Electrical Engineering from The University of Tokyo, Tokyo, Japan, in 1982, 1984, and 1987, respectively.

From 1987 to 2001, he was an associate professor and from 2001 to 2004, a Professor in Faculty of Engineering, Seikei University, Tokyo. He was a visiting professor in University of Toronto from 1994 to 1995.

His research interests include Computer Graphics, Computer Vision, Multimodal Signal Processing and Human Computer Interaction. Dr. Morishima is a member of the IEEE, ACM SIGGRAPH and the Institute of Electronics, Information and Communication Engineers Japan (IEICE-J). He is a trustee of Japanese Academy of Facial Studies. He received the IEICE-J achievement

award in May, 1992 and the Interaction 2001 best paper award from the Information Processing Society of Japan in Feb. 2001.

Also he is a visiting researcher of ATR Spoken Language Communication Laboratory from 2001. He is a leader of Digital Animation Labs, Tokyo.



Keynote Speech 3

Friday, January 11, 9:15 – 10:15

“A Unified MMM Model for Media Content Analysis and Retrieval”

Professor Tat-Seng Chua
(National University of Singapore, Singapore)

Abstract

Research on media content analysis has made great progress over the years -- from relying on single medium to multimodal analysis, and from focusing only on internal intrinsic content to leveraging external information sources. This talk presents a M3 model to consolidate progress to date into a unified model. The M3 model stands for the use of multimodal, multi-source and multi-resolution approach to media content analysis. Past research reveals that intrinsic content by itself is insufficient to capture most media semantics; hence it is essential to supplement the analysis with external information sources such as the Web, ontologies and thesaurus etc. Moreover, the types of medium and features relevant to information units and the semantics that can be derived from these units depend greatly on the units granularity. In the context of news video, the information granularity can be at the shot, speech discourse and story level, and it is known that text and audio-visual features play different roles at different levels. We apply the M3 model to the domains of news video and arts. In both domains, the M3 model is used to perform auto concept annotation and subsequent indexing and retrieval by leveraging on semantics derived at different information modality, sources and granularity. The talk discusses the design, implementation and deployment of M3 model to these 2 domains.



Biography: Dr Tat-Seng Chua is the Professor at the School of Computing, National University of Singapore (NUS). He was the Founding Dean of the School of Computing from 1998-2000. He spent three years as a research staff member at the Institute of Systems Science (now I2R) in late 1980s. Dr Chua's main research interest is in multimedia information processing, in particular, on the extraction, retrieval and question-answering (QA) of video and text information. He focuses on the use of relations between entities and external information & knowledge sources to enhance information processing. His current projects include: precise information retrieval, intelligent local media search, question answering (QA), and information extraction on the web. His group participates regularly in TREC-QA and TRECVID news video retrieval evaluations and has achieved top results. He obtained his PhD

from the University of Leeds, UK. Dr Chua is active in the international research community. He has organized and served as program committee member of numerous international conferences, and editorial board member of several journals, including, The Visual Computer, Multimedia Tool & Applications, and ACM Transaction of Information Systems. He is the Conference Co-Chair of CIVR'2005, ACM Multimedia 2005, and ACM SIGIR 2008.

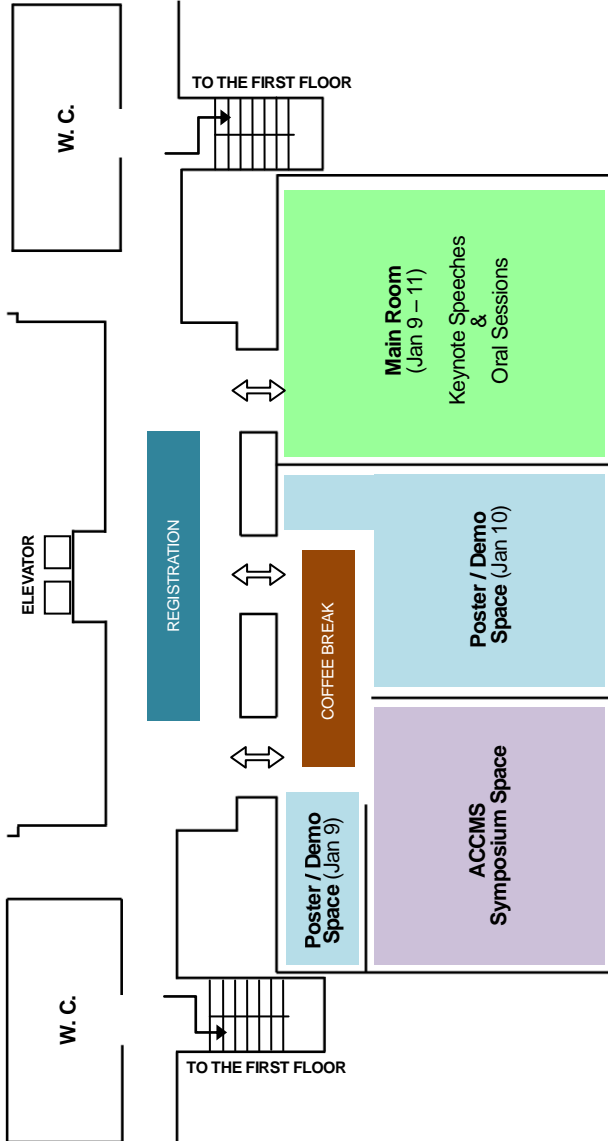


PROGRAM OVERVIEW

Wednesday, January 9		Thursday, January 10		Friday, January 11	
9:45—OPENING		9:00—REGISTRATION (<i>Foyer</i>)		9:15	
10:15	Keynote Speech 1 Prof. Tsuhan Chen	9:15	Keynote Speech 2 Prof. Shigeo Morishima	9:15	Keynote Speech 3 Prof. Tat-Seng Chua
11:15	COFFEE BREAK	10:15	COFFEE BREAK (<i>Demo / Poster Space</i>)	10:15	
11:30	10a – Oral Session 1 Media Understanding	10:30	20a – Oral Session 3 Visual Content Representation	10:30	30a – Oral Session 5 Media Retrieval
13:00		12:30		12:30	
LUNCH (<i>Demo / Poster Space</i>)		LUNCH (<i>Demo / Poster Space</i>)		LUNCH (<i>Demo / Poster Space</i>)	
14:00	1P – Poster Session 1 D – Demonstrations	13:30	2P – Poster Session 2 D – Demonstrations	14:00	30p – Oral Session 6 Audio and Music
16:00	10p – Oral Session 2 Creative Media	15:30	1500—COFFEE BREAK	16:00	
18:00		15:30	20p – Oral Session 4 Video Codec	16:00	16:00—CLOSING
		17:45—BUS FOR BANQUET LEAVES (<i>Main Entrance</i>)			
		18:15—BANQUET (<i>The Garden Oriental Kyoto</i>)			



FLOOR PLAN



Kyoto University Clock Tower Centennial Hall (2F)



WEDNESDAY, JANUARY 9

OPENING

Wednesday, January 9, 9:45-10:15 [Main Room]

Welcome to MMM2008

Noboru Babaguchi (Osaka Univ., Japan)

Keynote Speech 1

Wednesday, January 9, 10:15-11:15 [Main Room]

Chair: Minoru Etoh (NTT DoCoMo Research Labs, Japan)

Unsupervised Discovery of Objects and Object Hierarchy in Video:

Content Extraction Made Easy

Prof. Tsuhan Chen (Carnegie Mellon Univ., USA)

Abstract and Biography appear in Page 6

10a – Oral Session 1: Media Understanding

Wednesday, January 9, 11:30-13:00 [Main Room]

Chair: Nobuyuki Yagi (NHK Science & Technical Research Labs, Japan)

10a-1: A Novel Approach for Filtering Junk Images from Google Search Results

Yuli Gao, Jianping Fan, Hangzai Luo (Univ. of North Carolina at Charlotte, USA),

Shin'ichi Satoh (National Institute of Informatics, Japan)

10a-2: Object-Based Image Retrieval beyond Visual Appearances

Yan-Tao Zheng, Shi-Yong Neo, Tat-Seng Chua (National Univ. of Singapore, Singapore),

Qi Tian (Institute for Infocomm Research, Singapore)

10a-3: MILC2: A Multi-Layer Multi-Instance Learning Approach to Video Concept Detection

Zhiwei Gu (Univ. of Science and Technology of China, China), Tao Mei (Microsoft Research

Asia, China), Jinhui Tang, Xiuqing Wu (Univ. of Science and Technology of China, China),

Xian-Sheng Hua (Microsoft Research Asia, China)

1P – Poster Session 1

Wednesday, January 9, 14:00-16:00 [Poster / Demo Space]

1P-1: An Implicit Active Contour Model for Feature Regions and Lines

Ho-Ryong Jung, Moon-Ryul Jung (Sogang Univ., Korea)

1P-2: New Approach for Hierarchical Classifier Training an Multi-Level Image Annotation

Jianping Fan, Yuli Gao, Hangzai Luo (Univ. of North Carolina at Charlotte, USA),

Shin'ichi Satoh (National Institute of Informatics, Japan)

1P-3: Extracting Text Information for Content-Based Video Retrieval

Lei Xu, Kongqiao Wang (Nokia Research Center, China)



- 1P-4: Real-Time Video Surveillance Based on Combining Foreground Extraction and Human Detection**
Hui-Chi Zeng, Szu-Hao Huang, Shang-Hong Lai (National TsingHua Univ., Taiwan)
- 1P-5: Detecting and Clustering Multiple Takes of One Scene**
Werner Bailer, Felix Lee, Georg Thallinger (JOANNEUM RESEARCH, Austria)
- 1P-6: An Images Based 3D Model Retrieval Approach**
Yuehong Wang, Rujie Liu (Fujitsu Research and Development Center Ltd., China), Takayuki Baba, Yusuke Uehara, Daiki Masumoto, Shigemi Nagata (Fujitsu Laboratories Ltd., Japan)
- 1P-7: Oh Web Image, Where art Thou?**
Dirk Ahlers (OFFIS Institute for Information Technology Oldenburg, Germany), Susanne Boll (Univ. of Oldenburg, Germany)
- 1P-8: Complementary Variance Energy for Fingerprint Segmentation**
Zujun Hou, Wei-Yun Yau (Institute for Infocomm Research, Singapore), Nam-Leong Than, Wei Tang (Nanyang Tech. Univ., Singapore)
- 1P-9: Similarity Search in Multimedia Time Series Data Using Amplitude-Level Features**
Johannes Aßfalg, Hans-Peter Kriegel, Peer Kröger, Peter Kunath, Alexey Pryakhin, Matthias Renz (Ludwig-Maximilians-Univ., Munich, Germany)
- 1P-10: Sound Source Localization with Non-Calibrated Microphones**
Tomoyuki Kobayashi, Yoshinari Kameda, Yuichi Ohta (Univ. of Tsukuba, Japan)
- 1P-11: PriSurv: Privacy Protected Video Surveillance System Using Adaptive Visual Abstraction**
Kenta Chinomi, Naoko Nitta, Yoshimichi Ito, Noboru Babaguchi (Osaka Univ., Japan)
- 1P-12: Distribution-Based Similarity for Multi-Represented Multimedia Objects**
Hans-Peter Kriegel, Peter Kunath, Alexey Pryakhin, Matthias Schubert (Ludwig-Maximilians-Univ., Munich, Germany)

1Op – Oral Session 2: Creative Media

Wednesday, January 9, 16:00-18:00 [Main Room]

Chair: Balakrishnan Prabhakaran (Univ. of Texas at Dallas, USA)

- 1Op-1: A Multimodal Input Device for Music Authoring for Children**
Yasushi Akiyama (Dalhousie Univ., Canada), Sageev Oore (Saint Mary's Univ., Canada)
- 1Op-2: Free-Shaped Video Collage**
Bo Yang (TsingHua Univ., China), Tao Mei (Microsoft Research Asia, China), Li-Feng Sun, Shi-Qiang Yang (TsingHua Univ., China), Xian-Sheng Hua (Microsoft Research Asia, China)
- 1Op-3: Aesthetics-Based Automatic Home Video Skimming System**
Wei-Ting Peng, Yueh-Hsuan Chiang, Wei-Ta Chu, Wei-Jia Huang, Wei-Lun Chang, Po-Chung Huang, Yi-Ping Hung (National Taiwan Univ., Taiwan)
- 1Op-4: Using Fuzzy Lists for Playlist Management**
François Delière, Torben Bach Pedersen (Aalborg Univ., Denmark)



THURSDAY, JANUARY 10

Keynote Speech 2

Thursday, January 10, 9:15-10:15 [Main Room]
Chair: Kiyoharu Aizawa (*The Univ. of Tokyo, Japan*)

Instant Casting Movie System for Entertainment Revolution

Prof. Shigeo Morishima (Waseda Univ., Japan)

Abstract and Biography appear in Page 7

20a – Oral Session 3: Visual Content Representation

Thursday, January 10, 10:30-12:30 [Main Room]
Chair: Frank Nack (*Univ. of Amsterdam, The Netherlands*)

20a-1: Tagging Video Contents with Positive/Negative Interest Based on User's Facial Expression

Masanori Miyahara, Masaki Aoki, Tetsuya Takiguchi, Yasuo Arika (Kobe Univ., Japan)

20a-2: Snap2Play: A Mixed-Reality Game Based on Scene Identification

Tat-Jun Chin, Yilun You (Institute for Infocomm Research, Singapore), Celine Coutrix (Univ. Joseph-Fourier, Grenoble, France), Joo-Hwee Lim, Jean-Pierre Chevallet (Institute for Infocomm Research, Singapore), Laurence Nigay (Univ. Joseph-Fourier, Grenoble, France)

20a-3: Real-Time Multi-View Object Tracking in Mediated Environments

Huan Jin, Gang Qian, David Birchfield (Arizona State Univ., USA)

20a-4: Reconstruct 3D Human Motion from Monocular Video Using Motion Library

Wenzhong Wang, Xianjie Qiu, Zhaoqi Wang, Rongrong Wang, Jintao Li (Chinese Academy of Sciences, China)

2P – Poster Session 2

Thursday, January 10, 13:30-15:30 [Poster / Demo Space]

2P-1: Appropriate Segment Extraction from Shots Based on Temporal Patterns of Example Videos

Yousuke Kurihara, Naoko Nitta, Noboru Babaguchi (Osaka Univ., Japan)

2P-2: Fast Segmentation of H.264/AVC Bitstreams for On-Demand Video Summarization

Klaus Schöffmann, Laszlo Böszörményi (Univ. of Klagenfurt, Austria)

2P-3: Blurred Image Detection and Classification

Ping Hsu, Bing-Yu Chen (National Taiwan Univ., Taiwan)

2P-4: Cross-Lingual Retrieval of Identical News Events by Near-Duplicate Video Segment Detection

Akira Ogawa, Tomokazu Takahashi, Ichiro Ide, Hiroshi Murase (Nagoya Univ., Japan)

2P-5: Web Image Gathering with a Part-Based Object Recognition Method

Keiji Yanai (The Univ. of Electro-Communications, Japan)



- 2P-6: A Query Language Combining Object Features and Semantic Events for Surveillance Video Retrieval**
Thi-Lan Le, Monique Thonnat (INRIA, France), Alain Boucher (Institut de la Francophonie pour l'Informatique, Vietnam), François Brèmond (INRIA, France)
- 2P-7: Semantic Quantization of 3D Human Motion Capture Data Through Spatial-Temporal Feature Extraction**
Yohan Jin, Balakrishnan Prabhakaran (Univ. of Texas at Dallas, USA)
- 2P-8: Fast Intermode Decision via Statistical Learning for H.264 Video Coding**
Wei-Hau Pan, Chen-Kuo Chiang, Shang-Hong Lai (National TsingHua Univ., Taiwan)
- 2P-9: A Novel Motion Estimation Method Based on Normalized Cross Correlation for Video Compression**
Shou-Der Wei, Wei-Hau Pan, Shang-Hong Lai (National TsingHua Univ., Taiwan)
- 2P-10: Curved Ray-Casting for Displacement Mapping in the GPU**
Kyung-Gun Na, Moon-Ryul Jung (Sogang Univ., Korea)
- 2P-11: Emotion-Based Music Visualization Using Photos**
Chin-Han Chen, Ming-Fang Weng, Shyh-Kang Jeng, Yung-Yu Chuang (National Taiwan Univ., Taiwan)
- 2P-12: LightCollabo: Distant Collaboration Support System for Manufacturers**
Tetsuo Iyoda, Tsutomu Abe, Kiwame Tokai, Shoji Sakamoto, Jun Shingu, Hiroko Onuki, Meng Shi, Shingo Uchihashi (Fuji Xerox Co., Ltd., Japan)

2Op – Oral Session 4: Video Codec

Thursday, January 10, 15:30-17:30 [Main Room]
Chair: Shigeyuki Sakazawa (KDDI R&D Labs, Japan)

- 2Op-1: Accurate Identifying Method of JPEG2000 Images for Digital Cinema**
*Takahiro Fukuhara, Kazuhisa Hosaka (Sony Corp., Japan),
Hitoshi Kiya (Tokyo Metropolitan Univ., Japan)*
- 2Op-2: Optimization of Spatial Error Concealment for H.264 Featuring Low Complexity**
Shih-Chia Huang, Sy-Yen Kuo (National Taiwan Univ., Taiwan)
- 2Op-3: Temporal Error Concealment for H.264 Using Optimum Regression Plane**
Shih-Chia Huang, Sy-Yen Kuo (National Taiwan Univ., Taiwan)
- 2Op-4: Transform Domain Wyner-Ziv Codec Based on Turbo Trellis Codes Modulation**
Jose Luis Martínez (Univ. of Castilla-La Mancha, Spain), W. A. Rajitha J. Weerakkody (Univ. of Surrey, UK), Pedro Cuenca, Francisco Quiles (Univ. of Castilla-La Mancha, Spain), W. Anil C Fernando (Univ. of Surrey, UK)

BANQUET

Thursday, January 10, 18:15-20:15 [The Garden Oriental Kyoto]

Bus for Banquet Leaves at 17:45 from the Main Entrance (See Page 20)



FRIDAY, JANUARY 11

Keynote Speech 3

Friday, January 11, 9:15-10:15 [Main Room]

Chair: *Shin'ichi Satoh (National Institute of Informatics, Japan)*

A Unified MMM Model for Media Content Analysis and Retrieval

Prof. Tat-Seng Chua (National Univ. of Singapore, Singapore)

Abstract and Biography appear in Page 8

30a – Oral Session 5: Media Retrieval

Friday, January 11, 10:30-12:30 [Main Room]

Chair: *Tao Mei (Microsoft Research Asia, China)*

30a-1: Selective Sampling Based on Dynamic Certainty Propagation for Image Retrieval

Xiaoyu Zhang, Jian Cheng, Hanqing Lu, Songde Ma (Chinese Academy of Sciences, China)

30a-2: Local Radon Transform and Earth Mover's Distances for Content-Based Image Retrieval

Wei Xiong (Institute for Infocomm Research, Singapore), Sim Heng Ong, Weiping Lee, Kelvin Foong (National Univ. of Singapore, Singapore)

30a-3: Content Based Querying and Searching for 3D Human Motions

Manoj M. Pawar, Gaurav N. Pradhan, Kang Zhang, Balakrishnan Prabhakaran (Univ. of Texas at Dallas, USA)

30a-4: Bi-Modal Conceptual Indexing for Medical Image Retrieval

Joo-Hwee Lim, Jean-Pierre Chevallet, Diem Thi Hoang Le, Hanlin Goh (Institute for Infocomm Research, Singapore)

30p – Oral Session 6: Audio and Music

Friday, January 11, 14:00-16:00 [Main Room]

Chair: *Benoit Huet (Institut EURECOM, France)*

30p-1: Audio Analysis for Multimedia Retrieval from a Ubiquitous Home

Ganhewage C. de Silva, Toshihiko Yamasaki, Kiyoharu Aizawa (The Univ. of Tokyo, Japan)

30p-2: Effectiveness of Signal Segmentation for Music Content Representation

Namunu C. Maddage, Mohan S. Kankanhalli, Haizhou Li (Institute for Infocomm Research, Singapore)

30p-3: Probabilistic Estimation of a Novel Music Emotion Model

Tien-Lin Wu, Shyh-Kang Jeng (National Taiwan Univ., Taiwan)

30p-4: Acoustic OFDM: Embedding High Bit-Rate Data in Audio

Hosei Matsuoka, Yusuke Nakashima, Takeshi Yoshimura, Toshiro Kawahara (NTT DoCoMo Inc., Japan)

CLOSING

Friday, January 11, 16:00-16:30 [Main Room]



DEMONSTRATIONS

Wednesday, January 9, 14:00-16:00 / Thursday, January 10, 13:30-15:30
[Poster / Demo Space]

D – Demonstrations

- 1P-5D: Detecting and Clustering Multiple Takes of One Scene**
Werner Bailer, Felix Lee, Georg Thallinger (JOANNEUM RESEARCH, Austria)
- 1P-7D: Oh Web Image, Where art Thou?**
*Dirk Ahlers (OFFIS Institute for Information Technology Oldenburg, Germany),
Susanne Boll (Univ. of Oldenburg, Germany)*
- 1P-11D: PriSurv: Privacy Protected Video Surveillance System Using Adaptive Visual Abstraction**
Kenta Chinomi, Naoko Nitta, Yoshimichi Ito, Noboru Babaguchi (Osaka Univ., Japan)
- 2P-1D: Appropriate Segment Extraction from Shots Based on Temporal Patterns of Example Videos**
Yousuke Kurihara, Naoko Nitta, Noboru Babaguchi (Osaka Univ., Japan)
- 2P-2D: Fast Segmentation of H.264/AVC Bitstreams for On-Demand Video Summarization**
Klaus Schöffmann, Laszlo Böszörményi (Univ. of Klagenfurt, Austria)
- 2P-4D: Cross-Lingual Retrieval of Identical News Events by Near-Duplicate Video Segment Detection**
Akira Ogawa, Tomokazu Takahashi, Ichiro Ide, Hiroshi Murase (Nagoya Univ., Japan)
- 2P-11D: Emotion-Based Music Visualization Using Photos**
*Chin-Han Chen, Ming-Fang Weng, Shyh-Kang Jeng, Yung-Yu Chuang
(National Taiwan Univ., Taiwan)*
- 2P-12D: LightCollabo: Distant Collaboration Support System for Manufacturers**
*Tetsuo Iyoda, Tsutomu Abe, Kiwame Tokai, Shoji Sakamoto, Jun Shingu, Hiroko Onuki,
Meng Shi, Shingo Uchihashi (Fuji Xerox Co., Ltd., Japan)*
- 3Op-4D: Acoustic OFDM: Embedding High Bit-Rate Data in Audio**
*Hosei Matsuoka, Yusuke Nakashima, Takeshi Yoshimura, Toshiro Kawahara
(NTT DoCoMo Inc., Japan)*

Demonstrations from MEXT Leading Project:

“Development of Fundamental Software Technologies for Digital Archives”

- CC-1D: Development of High Fidelity Digitization Software for Large-Scale and Intangible Cultural Assets**
Development of High Fidelity Digitization Software for Large-Scale and Intangible Cultural Assets (Led by Takashi Matsuyama, Kyoto Univ., Japan)
- CC-2D: Archiving Performances of Japanese Traditional Dramatic Arts with a Dynamic 3D Model**
*3D Video Archiving of Traditional Performing Arts
(Led by Kiyoharu Aizawa, The Univ. of Tokyo, Japan)*
- CC-3D: Producing and Streaming Video Materials for E-Learning**
Course Management System for Higher Educational Institution under Ubiquitous Computing Environment (Led by Kenji Mase, Nagoya Univ., Japan)



CC-4D: Cross-Media Search Environments for Education

*Software Technologies for Search and Integration across Heterogeneous Media Archives
(Led by Katsumi Tanaka, Kyoto Univ., Japan)*

CC-5D: Associative Information Access Technologies Inspiring Autonomous Learning

*Associative Information Access Technologies Inspiring Autonomous Learning
(Led by Akihiko Takano, National Institute of Informatics, Japan)*

CO-LOCATED SYMPOSIUM

The Sixth Symposium of the Academic Center for Computing and Media Studies,
Kyoto University

OPENING

Thursday, January 10, 13:30-13:45 [Symposium Space]

Oral Session 1

Thursday, January 10, 13:45-15:00 [Symposium Space]

1-1: 3D Shape Reconstruction with Random Pattern Backgrounds

Masahiro Toyoura (Kyoto Univ., Japan)

1-2: Detection of Human Interactions in Meetings

Zhiwen Yu, Motoyuki Ozeki, Hideki Aoyama, Yuichi Nakamura (Kyoto Univ., Japan)

1-3: Development of a Multimedia English CALL Material with High Learning Effect

*Georgios Georgiou, Mariko Takayasu, Sayaka Kamio, Yo Tsushimoto, Naoshi Hiraoka,
Yasushi Tsubota, Masatake Dantsuji (Kyoto Univ., Japan)*

Demonstrations

Thursday, January 10, 15:00-15:30 [Symposium Space]

Oral Session 2

Thursday, January 10, 15:30-17:10 [Symposium Space]

2-1: T2K Open Supercomputer: Concept and Architecture of the New Machine for University's Supercomputing Centers

Hiroshi Nakashima (Kyoto Univ., Japan)

2-2: Voice Activity Detection in Human Conversation

David Cournapeau (Kyoto Univ., Japan)

2-3: An Internet Video-Broadcasting System Discouraging Unauthorized Redistribution by Digital Fingerprints

Tetsutaro Uehara (Kyoto Univ., Japan)

2-4: Cultural Computing: Hitch Haiku

Naoko Tosa (Kyoto Univ., Japan)



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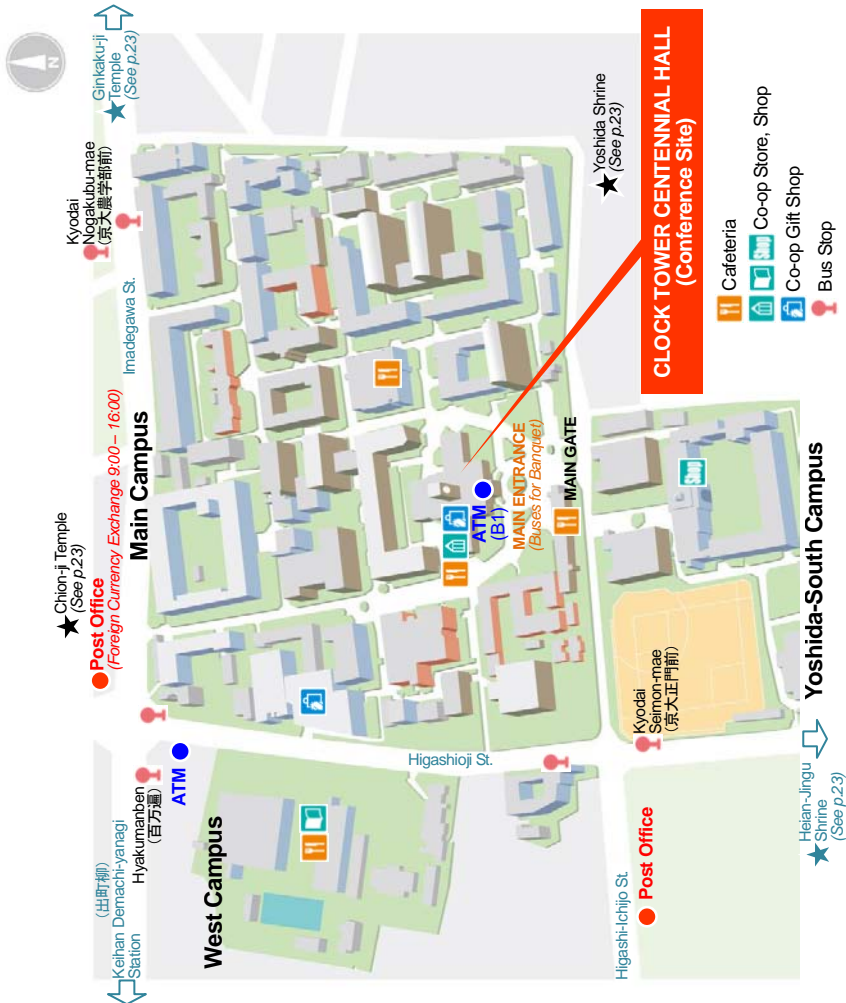


MMM2008

9-11 January, 2008
Kyoto University, Japan

MAPS & INFORMATION

Conference Site: Kyoto University Clock Tower Centennial Hall (ATMs, Post Offices)



Kyoto University Yoshida North Campus



Banquet Site: The Garden Oriental Kyoto



Shuttle Bus Time Table (To / From Banquet Site on Jan. 10)

To Banquet Site

Main Entrance (See page 20)	Dep. 17:45	
The Garden Oriental Kyoto	Ar. 18:00	

From Banquet Site

Bus 1: To Aranvert / Hearton / Okura / Royal Hotels

Hotel name	Dep. 20:30	Train stations near the hotel
Aranvert Hotel	Ar. 20:50	Gojo (Subway Karasuma Line)
Hearton Hotel	Ar. 21:00	Karasuma-oike (Subway Tozai / Karasuma Lines)
Hotel Okura / Royal Hotel & Spa	Ar. 21:05	Kyoto Shiyakusho-mae (Subway Tozai Line)

Bus 2: To Dai-ichi / Hokke Club Hotels

Hotel name	Dep. 20:30	Train stations near the hotel
Dai-ichi Hotel	Ar. 20:50	Kujo (Subway Karasuma Line)
Hotel Hokke Club	Ar. 21:00	Kyoto (Subway Karasuma Line / JR Line)

Bus 3: To All Hotels

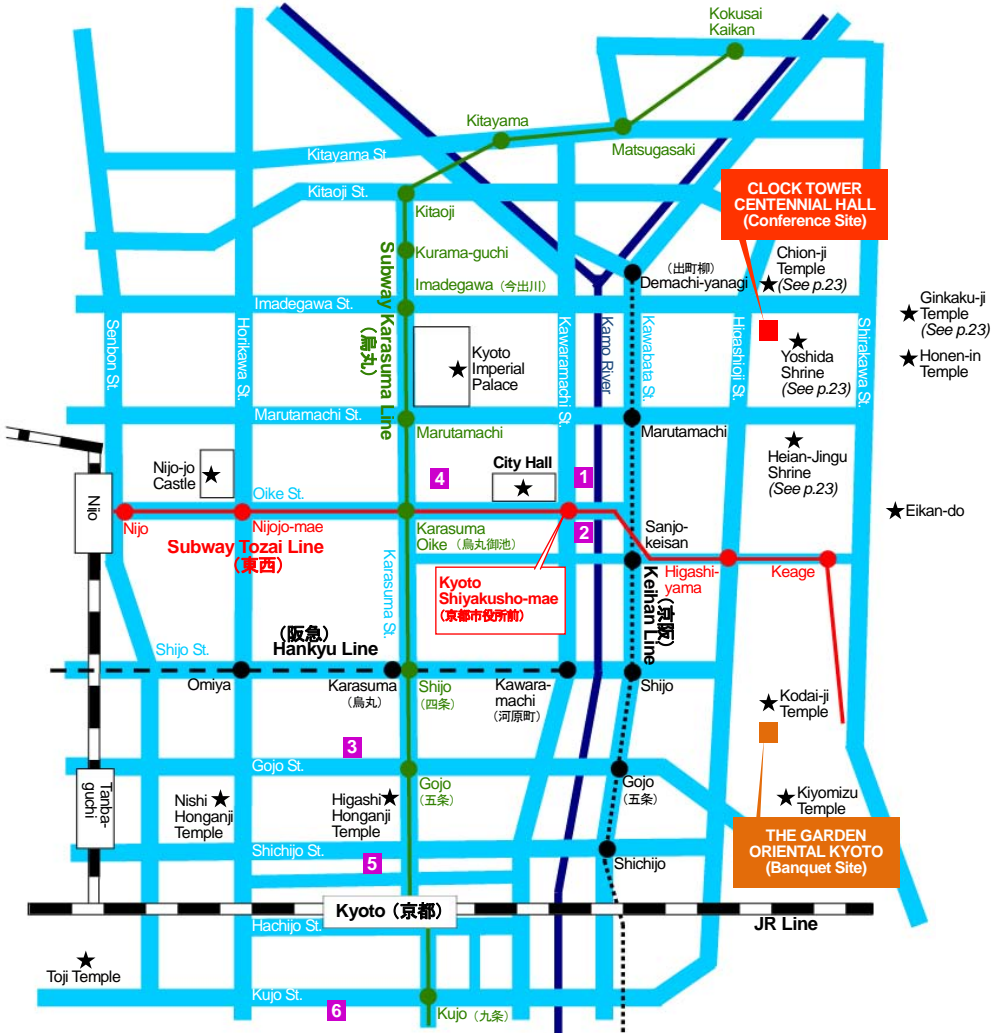
Hotel name	Dep. 20:45	Train stations near the hotel
Hotel Okura / Royal Hotel & Spa	Ar. 21:05	Kyoto Shiyakusho-mae (Subway Tozai Line)
Hearton Hotel	Ar. 21:10	Karasuma-oike (Subway Tozai / Karasuma Lines)
Aranvert Hotel	Ar. 21:20	Gojo (Subway Karasuma Line)
Hotel Hokke Club	Ar. 21:30	Kyoto (Subway Karasuma Line / JR Line)
Dai-ichi Hotel	Ar. 21:40	Kujo (Subway Karasuma Line)



MMM2008

9-11 January, 2008
Kyoto University, Japan

Kyoto City (Official Hotels, Major Sites)



- Kyoto University Clock Tower Centennial Hall (京都大学百周年時計台記念館)
- The Garden Oriental Kyoto (ガーデンオリエンタル京都) <http://thegardensoriental.kyoto.com/>
- 1 Kyoto Hotel Okura (京都ホテルオークラ)
- 2 Kyoto Royal Hotel & Spa (京都ロイヤルホテル&スパ)
- 3 Aranvert Hotel Kyoto (アランヴェールホテル京都)
- 4 Hearton Hotel Kyoto (ハートンホテル京都)
- 5 Hotel Hokke Club Kyoto (ホテル法華クラブ京都)
- 6 Kyoto Dai-ichi Hotel (京都第一ホテル)



Major Sites Near the Conference Site

Yoshida Shrine 吉田神社

Yoshida (吉田) is the name of an old family who served as arch-priests of the shrine since the 13th century. Established in the 9th century, the shrine had a large influence over the *Shinto* (神道) religious community during the 15th to the 19th centuries since it had the appointive power on priests belonging to numerous shrines throughout Japan. Located on top of a small hill, Mt. Yoshida, you will have a nice walk in the woods.

This is the closest shrine from the venue. Open all day. Admission: Free.



Chion-ji Temple (Hyakumanben) 知恩寺(百万遍)

Hyakumanben (百万遍) actually means “1 million times”. Originally established in the 13th century, the arch-monk of the temple accomplished praying 1 million times during the epidemic in 1331, under the imperial wish of Emperor *Godaigo* (後醍醐天皇). Moved to the current location in the 17th century, it is currently a site frequented by locals for walks and children to play.

This is the closest temple from the venue. Open from sunrise to sunset. Admission: Free.



Heian-Jingu Shrine 平安神宮

The shrine was built in 1895 to enshrine Emperor *Kanmu* (桓武天皇) who transferred the Capital in 794 from Nara to Kyoto at that time, named *Heian-kyo* (平安京). Compared to Yoshida shrine, which has a quiet and local atmosphere, you will see a magnificent shrine which imitates an ancient government palace. You will also find various museums in the area.

Open from 6:00 AM to 5:00 PM. Admission: Free.



Ginkaku-ji (Jisho-ji) Temple 銀閣寺(慈照寺)

Ginkaku (銀閣) is actually the name of the Silver Pavilion in this temple, built in the 15th century by the 8th *Shogun* (將軍) of the *Muromachi* (室町) dynasty, Yoshimasa Ashikaga (足利義政). It is called the Silver Pavilion in contrast to the Golden Pavilion (金閣) built by his grand-father, located on the other side of Kyoto-city, although it actually is brown without any silver used. Together with its garden, it represents the philosophy of *Zen* (禪) and Tea ceremony (茶道).

Open from 10:00 AM to 4:00 PM. Admission: JPY 800.



MMM2008

9-11 January, 2008
Kyoto University, Japan



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