The Third Symposium on "Intelligent Media Integration for Social Information Infrastructure"
Distribution and International Collaboration of Large-Scale Audio-Visual database

Date : Tuesday, December 6th , 2005
Time : 9:30 - 20:00
Place : Noyori Conference Hall, Nagoya University
Sponsored by : IMI COE Committee, Nagoya University
Co-sponsored by: Graduate School of Information Science, Nagoya University
      Graduate School of Engineering, Nagoya University
      Information Technology Center, Nagoya University
Cooperative Societies :   **Nagoya Section, The Institute of Electrical and Electronics Engineers**
      Tokai Section, The Institute of Electronics, Information and Communication Engineers
      Tokai Section, The Acoustical Society of Japan
      Tokai Section, The Institute of Image Information and Television Engineers
      Tokai Branch, Information Processing Society of Japan
      The Japanese Society for Artificial Intelligence

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Program

9:30 -9:45   **Opening**
      Chair: Yasuhito Suenaga (IMI COE Leader, Nagoya University)

      Shinichi Hirano (President, Nagoya University)
      Shinichi Yamamoto (Vice President, Nagoya University)
      Nobuhiko Sawaki (Dean, Graduate School of Engineering, Nagoya University)
      Kiyoshi Agusa (Dean, Graduate School of Information Science, Nagoya University)

9:45 - 11:15   **Session 1: Keynotes**
      Chair: Kazuya Takeda (Graduate School of Information Science, Nagoya University)

  9:45 - 10:30   Chin Lee (Georgia Institute of Technology, U.S.A.)
      "Intelligent Media Integration: Knowledge Discovery and Information Extraction from Multimedia Patterns"
10:30 - 11:15   Bennett S. Wilburn (Microsoft Research Asia, China)
      "High-Performance Imaging Using Large Camera Arrays"

11:15 - 11:30   **Coffee Break**

11:30 - 12:30   **Session 2: Media integration and metadata**
      Chair: Kenji Mase (Information Technology Center, Nagoya University)

11:30 - 11:50   Ichiro Ide (Graduate School of Information Science, Nagoya University)
      "Metadata annotation through media integration"
      Ichiro Ide, Reiko Hamada
11:50 - 12:10   Katashi Nagao (Center for Information Media Studies, Nagoya University)
      "Discussion Mining: An application of intelligent media integration"
      Katashi Nagao, Hironori Tomobe, Takahiro Tsuchida, Noriyuki Sahashi, Shigeki Ohira
12:10 - 12:30   Masatoshi Yoshikawa (Graduate School of Information Science, Nagoya University)
      "Management of metadata in XML and RDF"
      Masatoshi Yoshikawa, Akiyoshi Matono

12:30 - 14:00   **Lunch Break**

14:00 - 15:20	**Session 3: Multi-view Video Coding in MPEG**
	Chair: Masayuki Tanimoto (Graduate School of Engineering, Nagoya University)

14:00 - 14:20	Toshiaki Fujii (Graduate School of Engineering, Nagoya University)
	"Multipoint Measuring System for Video and Sound - 100-camera and microphone system -"
	Toshiaki Fujii, Kensaku Mori, Kazuya Takeda, Kenji Mase, Masayuki Tanimoto,
	Yasuhito Suenaga
14:20 - 14:40	Hideaki Kimata (NTT Advanced Technology Corporation, Japan)
	"MPEG 3DAV International Standardization Activities"
14:40 - 15:00	Yung-Lyul Lee (Sejong University, Korea)
	"MVC activities in Korea"
15:00 - 15:20	Anthony Vetro (Mitsubishi Electric Research Laboratories, U.S.A)
	"Techniques for Multiview Video Coding"
	Anthony Vetro, Emin Martinian, Jun Xin, Alexander Behrens, Huifang Sun

15:20 - 15:35	**Coffee Break**

15:35 - 16:55	**Session 4: Real world signal corpus for advanced in-car signal processing research**
	Chair: Chiyomi Miyajima (Graduate School of Information Science, Nagoya University)

15:35 - 15:55	Kazuya Takeda (Graduate School of Information Science, Nagoya University)
	"Modeling of Individualities in Driving through Spectral Analysis of Behavioral Signals"
	Koji Ozawa, Toshihiro Wakita, Chiyomi Miyajima, Katsunobu Itou, Kazuya Takeda
15:55 - 16:15	Hakan Erdogan (Sabanci University, Turkey)
	"Experiments on Decision Fusion for Driver Recognition"
	Hakan Erdoğan, Ali Nazmi Özyağcı, Taner Eskil, Mete Rodoper, Aytül Erçil, Hüseyin Abut
16:15 - 16:35	Abdul Wahab Bin Abdul Rahman (Nanyang Technological University, Singapore)
	"Real-Time Driver Identification based on Fuzzy Neural Networks"
	Abdul Wahab, Tan Hock Kern, Kazuya Takeda
16:35 - 16:55	Juan Carlos De Martin
	(CNR Institute of Electronics and Information and Telecommunications Engineering, Italy)
	"Performance Evaluation of MPEG Video Transmission over 802.11 Inter-Vehicular Networks
	Using the CIAIR Database".
	Paolo Bucciol, Enrico Masala, Juan Carlos De Martin, Kazuya Takeda, Nobuo Kawaguchi

17:00 - 19:00	**Demonstration / Poster presentation**
	Agusa Lab.
	"Programming Models for Dependable Network Software Development"
	Hirata Lab.
	"Approximation Algorithms for Weighted Independent Set Problem"
	Ishii Lab.
	"Influence of New Mobile Tools on Communication"
	Mase Lab.
	"A Context-aware Course Management System under Ubiquitous Computing Environment"
	"Experiment of Recalling Emotions in Wearable Experience Recordings"
	"A Pattern Mining Method for Interpretation of Interaction"
	Matsubara Group
	"Corpus-based Speech Monologue Parsing"
	"Simultaneous Spoken Dialogue Translation"
	Miwa Lab.
	"A System that Generates Word Problems Using Problem Generation Episodes"
	Murase Lab.
	"Image Recognition and Video Contents Understanding"
	Nagao Lab.
	"Attentive Townvehicle: Environment-Aware Personal Intelligent Vehicles"
	NEXCESS
	"Nagoya University Extension Courses for Embedded Software Specialists"
	Ohnishi Lab.
	"An Active Correspondence of Audio-Visual Events by Motor Signal"
	"Recovering Human Pose by Collaborative Generative Models Estimation"

Sakabe & Sakai Lab.

"Verifying Cryptographic Protocols"

"Program Generation System: GeneSys"

Suenaga Lab.

"New Paradigm of Medical Image Processing"

Takeda Lab.

"Data Collection and Evaluation of Speech Recognition for Motorbike Riders"

"Audio-Visual Speech Database for Bimodal Speech Recognition"

Tanimoto Lab.

"Human-Oriented Information Restructuring (HIR) Systems for ITS"

Task Force

"Multipoint Measuring System for Video and Sound - 100-camera and microphone system -"

Toyama Group

"Bilingual-KWIC: GUI Support Tool for Bilingual Dictionary Compilation"

Watanabe Lab.

"Seamless Virtual Learning Environment Supporting for Inducing Ideas"

"Origami World"

"Simulation Analysis for Social Systems"

"Information Services with Ad-hoc Network"

Yokoi & Yasuda Lab.

"A System for Education by Visualizing Network Processing Based on Virtual Environment Software"

Yoshikawa Lab.

"Kikori: A Sub-document Retrieval System Using XML"

Junya Morita, Kazuhisa Miwa, Takayuki Kitasaka, Kensaku Mori, Yasuhito Suenaga, Shingo Iwano, Mitsuru Ikeda, Takeo Ishigaki

"Expertise in Interactions of Perceptual and Conceptual Processing"

Tomokazu Takahashi, Daisuke Deguchi, Trung Dung Truong, Masaki Ito, Kento Nishibori, Cao Hui

"MIST (Media Integration Standard Toolkit) - Development of multimedia processing infrastructure -"

Research themes considered by Research Assistants

"Compression of CT images - Applying the Hybrid Coding -"

"Extracting ROI by using Eye Movement Analysis"

Learning Support

"Optimization of Tutorial Contents, Tutorial Actions and Tutorial Strategies for Student-Tutor Interaction in e-Learning"

"Development of Directory Web Search System and Learning Environment for Senior Citizens in Local Lifelong Learning"

"Proposal of Web Browser for Touch Panel Display"

"Development and Evaluation of a Learning Support System for Learning by Following"

Image Processing and Synthesis

"Ray-Space Compression by Using Disparity Compensated DCT"

"Blood vessel Segmentation for 3-D Abdominal CT Images for Laparoscopic surgery"

"Smoothed Particle Filter"

"Generating Unfolded Views of Tracts by Cutting and Deforming Medical CT Data"

"Blood vessel Segmentation from 3-D Abdominal CT Images for Laparoscopic surgery"

Web Technology

"An Online Music Recommendation System Based on Annotations about Listeners' Preference and Situation"

"Weblog-style Multimedia Annotation and Syndication"

"Research for Local Information on the Web and Suggestion of XML Designed for Life-Related Information for Inhabitants"

"XICS: XML Indices for Content and Structural Search"

Natural Language Processing

"An Analysis of the Characteristics of Interpreters' Utterances Using CIAIR Simultaneous Interpretation Database"

"The examination of a spoken dialogue system construction for a large scale field test"

Cognitive Science

"A Cognitive Analysis Model for Complex Open-ended Analogical Retrieval"

"Process of Constraint Relaxation in Insight Problem Solving"

   "Analysis of Collaborative Problem Solving Based on Thinking Styles"
Mobile Technology
   "Orientation-Location Estimation and Orientation-Location Based Service Using Wireless Lan"
Software Engineering
   "A Timed Extension of the pi-Calculus and Application for Real-Time System Development"

18:00 -   **Reception** *at Noyori Conference Hall, Nagoya University*

20:00   **Closing**