

ACM MULTIMEDIA 96

Technical Papers

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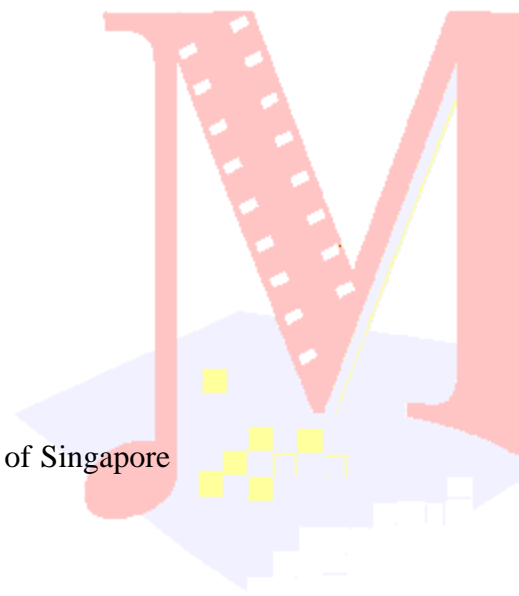
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- George Drapeau, SunSoft
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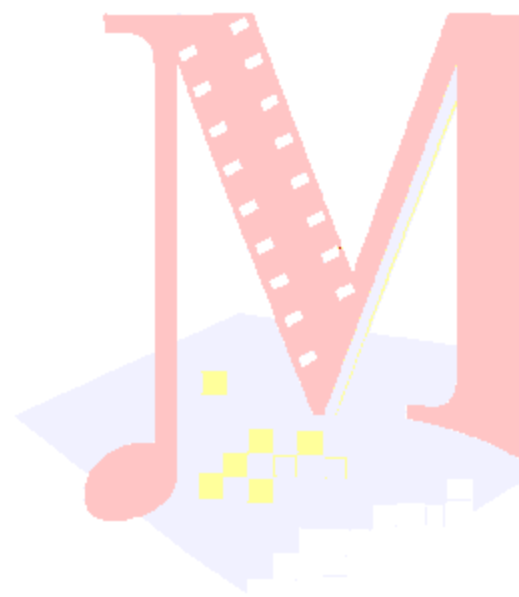
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- Franca Garzotto, Politecnico di Milano
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- Jim Huang, Honeywell Technology Center
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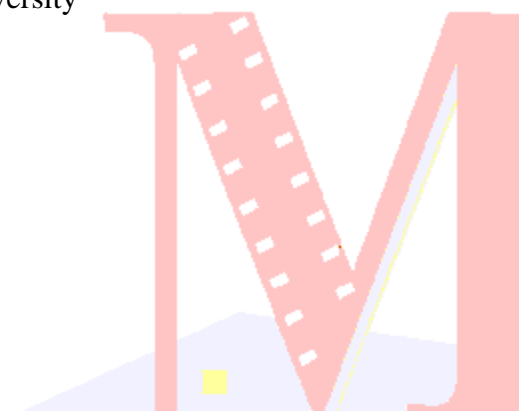
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- Gary M. Paxinos, Metro Link Inc. and Florida Center for Electronic Communication
- Alex (Sandy) Pentland, MIT Media Lab
- Maria Jose Perez-Luque, University of Navarra
- Tom Pfeifer, Technical University of Berlin/GMD-FOKUS
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- Behzad Shahraray, AT&T Research
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- Maria Theodoridou, CWI and FORTH
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- Sylvia Wilbur, Queen Mary & Westfield College
- Michael Wilson, Rutherford Appleton Laboratory
- Michael Wynblatt, Siemens Corporate Research
- Raj Yavatkar, Intel
- James C. Yee, Philips Research Palo Alto
- Polle Zellweger, Xerox PARC
- Lixia Zhang, Xerox PARC



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- Wei Zhao, Texas A&M University
- Taieb Znati, University of Pittsburgh
- Michael J. Zyda, Naval Postgraduate School

1A

Wednesday, November 20

11:00am-12:30pm

Multimedia Analysis

Session Chair: Brian Smith, Cornell University

A Shot Classification Method to Select Effective Key-Frames for Video Browsing

Hisashi Aoki, Shigeyoshi Shimotsuji and Osamu Hori

Research and Development Center, Toshiba Corporation

Indexing and Retrieval of Digital Video Sequences Based on Automatic Text Recognition

Rainer Lienhart

University of Mannheim

Automatic Audio Content Analysis

Silvia Pfeiffer, Stephan Fischer and Wolfgang Effelsberg

University of Mannheim

1B

Wednesday, November 20

11:00am-12:30pm

Authoring I

Session Chair: John Buford, University of Massachusetts, Lowell

A Multimedia System for Authoring Motion Pictures

Ronald Baecker, Alan J. Rosenthal, Naomi Friedlander, Eric Smith and Andrew Cohen

University of Toronto

CVEPS-A Compressed Video Editing and Parsing System

Jianhao Meng and Shih-Fu Chang

Columbia University

Negotiation for Automated Generation of Temporal Multimedia Presentations

Dalal, M. and Feiner, S. and McKeown, K. and Pan, S. and Zhou, M. and Hollerer, T. and Shaw, J. and Feng, Y. and

Fromer, J.

Columbia University

2A

Wednesday, November 20

2:00-3:30pm

Image Parsing

Session Chair: Wolfgang Effelsberg, University of Mannheim, Germany

Comparing Images Using Color Coherence Vectors

Greg Pass, Ramin Zabih and Justin Miller

Cornell University

MMVIS: Design and Implementation of a Multimedia Visual Information Seeking Environment

Stacie Hibino and Elke A. Rundensteiner

University of Michigan

VisualSEEK: A Fully Automated Content-Based Image Query System

John R Smith and Shih-Fu Chang

Columbia University

2B

Wednesday, November 20

2:00-3:30pm

System Building

Session Chair: Dan Swinehart, Xerox Palo Alto Research Center

On-Demand Regional Television over the Internet

Haakon Bryhni, Hilde Lovett, Erling Maartmann-Moe, Dag Solvoll and Tryggve Sorenson

Norwegian Computing Centre

A Centralized Audio Presentation System

Albert L. Papp III and Meera M. Blattner

University of California, Davis, and Lawrence Livermore National Laboratory

Transport QoS Programmability

Andrew Campbell and Geoff Coulson

Columbia University and Lancaster University

3A

Wednesday, November 20

4:00-5:00pm

Scheduling and Synchronization

Session Chair: Hui Zhang, Carnegie Mellon University

Adaptive Rate-Controlled Scheduling for Multimedia Applications

David K.Y. Yau and Simon S. Lam

University of Texas at Austin

Proving Temporal Consistency in a New Multimedia Synchronization Model

J.P. Courtiat and R.C. De Oliveira

LAAS/CNRS

3B

Wednesday, November 20

4:00-5:00pm

Applications

Session Chair: Hirotada Ueda, Hitachi Denshi, Ltd.

Image Compositing System Capable of Long-Range Camera Movement

Masaki Hayashi, Kazuo Fukui and Yasumasa Ito

NHK Science and Technical Research Labs

'Smart Clothing': Turning the Tables (Privacy and Personal Empowerment through wearable Multimedia and Wireless Communications)

Steve Mann

MIT Media Lab

4A

Thursday, November 21

9:00-10:30am

Groupware

Session Chair: Jorge Haake, GMD-IPSI

Meme Media and a World-Wide Meme Pool

Yuzuru Tanaka
Hokkaido University

Teaching and Learning as Multimedia Authoring

Gregory D. Abowd, Chris Atkinson, Amy Feinstein, Rob Kooper, Sue Long, Scott Register, Nitin "Nick" Sawhney and Mikiya Tani

Georgia Institute of Technology

CU-SeeMe VR Immersive Desktop Teleconferencing

Jefferson Han and Brian Smith
Cornell University

4B

Thursday, November 21

9:00-10:30am

Coding

Session Chair: Shih-Fu Chang, Columbia University

A JPEG Codec Adaptive to Region Importance

Jiying Zhao, Yoshihisa Shimazu, Koji Ohta, Rina Hayasaka and Yutaka Matsushita
Keio University

Methods for Encrypting and Decrypting MPEG Video Data Efficiently

Lei Tang
GSIA, Carnegie Mellon University/ Oracle Co

Adaptive Foveation of MPEG Video

T.H. Reeves and J.A. Robinson
University of Waterloo and University of Newfoundland

5A

Thursday, November 21

2:00-3:30pm

User Interfaces

Session Chair: Yuzuru Tanaka, Hokkaido University

Vibrotactile Feedback in Delicate Virtual Reality Operations

Li-Te Cheng, Rick Kazman and John Robinson
University of Waterloo and University of Newfoundland

A Quality Planning Model for Distributed Multimedia in the Virtual Cockpit

Mark Claypool and John Riedl
University of Minnesota

An Empirical Study of Attending and Comprehending Multimedia Presentations

Peter Faraday and Alistair Sutcliffe
City University, London

5B

Thursday, November 21

2:00-3:30pm

Servers

Session Chair: William Tetzlaff, IBM Thomas J. Watson Research Center

Segmented Information Dispersal (SID) for Efficient Reconstruction in Fault-Tolerant Video Servers

Ariel Cohen and Walter Burkhard
University of California

Adventures in Building the Stony Brook Video Server

Michael Vernick, Chitra Venkatramini and Tzi-cker Chiueh
State University of New York at Stony Brook

Disk Striping Strategies for Large Video-on-Demand Servers

Tat-Seng Chua, Jiandong Li, Beng-Chin Ooi, Kain-Lee Tan
National University of Singapore

Thursday, November 21

4:00-5:00pm

Award Papers

Session Chair: T.D.C. Little, Boston University and Wendy Hall, University of Southampton

Best Paper

Open-Vocabulary Speech Indexing for Voice and Video Mail Retrieval

M.G.Brown, J.T.Foote, GJF Jones, K.Sparck Jones and S.J.Young
Olivetti Research Ltd and Cambridge University

Best Student Paper

Do Story Agents Use Rocking Chairs? The Theory and Implementation of One Model for Computational Narrative

Kevin Brooks
MIT Media Lab

6A

Friday, November 22

9:00-10:30am

Authoring II

Session Chair: Roy Rada, University of Liverpool

A Framework for Supporting Multimedia Document Authoring and Presentation

K. Selcuk Candan, B. Prabhakran and V.S. Subrahmanian
University of Maryland

Anecdote: A Multimedia Storyboarding System with Seamless Authoring Support

Komei Harada, Eiichiro Tanaka, Ryuichi Ogawa and Yoshinori Hara
NEC Corporation

Sketching Multimedia Templates for Generating Hypermedia from Specifications

S. Fraisse, J. Nanard and M. Nanard
LIRMM, Montpellier France

6B

Friday, November 22

9:00-10:30am

The Case for Concurrent Reliable Multicasting Using Shared Ack Trees

Brian Neil Levine, David B. Lavo and J.J. Garcia-Luna-Aceves

University of California, Santa Cruz

Enhancing Network Services through Multimedia Data Analysers

Ferdinando Samaria, Harold Syfrig, Alan Jones and Andy Hopper

Olivetti Research Ltd

Rate Shaping by Block Dropping for Transmission of MPEG-Pre-coded Video over Channels of Dynamic Bandwidth

Wenjin Zeng and Bede Liu

Princeton University

[*Stephan Fischer*](#)

[Last modified: Tue Oct 22 09:38:06 MET DST 1996](#)