

ACM MM97

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Technical Program and Electronic Proceedings



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ALL DAYS OF THE CONFERENCE

We are going to provide continental breakfast to all attendees on each day of the conference (Tuesday through Thursday). This will be 8:00 - 8:30 AM daily.

MONDAY 11/10

We are going to have a Welcome Reception on Monday evening from 6:30 - 8:00 PM. It would be good to meet you there.

TUESDAY 11/11

8:30 AM - 10:00 AM	KEYNOTE ADDRESS Chair: Ephraim P. Glinert, Rensselaer Brad Myers, CMU : "Authoring Interactive Behaviors"	
10:00 AM - 10:30 AM	COFFEE BREAK	
	PAPERS 1A: CODING Chair: Bob Allen, Bellcore "Flavor: A Language for Media Representation" Alexandros Eleftheriadis, Columbia University	PAPERS 1B: INTERACTION Chair: Dick Bulterman, CWI "QuickSet: Multimodal Interaction for Distributed Applications" Philip Cohen, Michael Johnston, David McGee, Sharon Oviatt, Jay Pittman, Ira Smith, Liang Chen and

<p>10:30 AM - 12:00 NOON</p>	<p>"Highly Scalable Image Coding for Multimedia Applications" Jie Liang, Texas Instruments</p> <p>"Performance Enhancement of H.263 Encoder Based On Zero Coefficient Prediction" Alice Yu, Stanford University</p>	<p>Josh Clow, Oregon Graduate Institute of Science and Technology</p> <p>"3DSketch: Modeling by Digitizing with a Smart 3D Pen" Song Han and Gerard Medioni, University of Southern California</p> <p>"An Improved Auditory Interface for the Exploration of Lists" Ian Pitt, Otto-von-Guericke Universitat</p>
<p>12:00 - 1:30 PM</p>	<p>LUNCH BREAK</p>	
<p>1:30 PM - 3:00 PM</p>	<p>PAPERS 2A: SERVERS/SYSTEMS I Ryohei Nakatsu, ATR</p> <p>"Move-To-Rear List Scheduling: A New Scheduling Algorithm for Providing QoS Guarantees" John Bruno, Eran Gabber, Banu Ozden and Abraham Silberschatz, Bell Laboratories</p> <p>"Latency Budgets for MHEG-5 Delivery in DAVIC Systems over ADSL Networks" John Buford and Chetan Gopal, University of Massachusetts at Lowell</p> <p>"BubbleUp: Low Latency Fast-Scan for Media Servers" Edward Chang and Hector Garcia-Molina, Stanford University</p>	<p>PAPERS 2B: HYPERMEDIA David Kirsh, UCSD</p> <p>"User Interface Evaluation of a Direct Manipulation Temporal Visual Query Language" Stacie Hibino, University of Michigan Elke Rundersteiner, Worcester Polytechnic Institute</p> <p>"A Visual Approach to Multimedia Querying and Presentation" Isabel Cruz and Wendy Lucas, Tufts University</p> <p>"A Framework for Generating Adaptable Hypermedia Documents" Lloyd Rutledge, Centrum voor Wiskunde en Informatica Jacco van Ossenbruggen, Vrije Universiteit Lynda Hardman and Dick Bulterman, Centrum voor Wiskunde en Informatica</p>
<p>3:00 PM - 3:30 PM</p>	<p>COFFEE BREAK</p>	
	<p>PAPERS 3A: SERVERS/SYSTEMS II Chair: Isabel Cruz, Worcester Polytechnic</p> <p>"A Failure and Overload Tolerance Mechanism for Continuous Media Servers" R. Krishnan, D. Venkatesh and T.D.C. Little, Boston University</p> <p>"An Evaluation of VBR Disk Admission Algorithms for Continuous Media File Servers"</p>	<p>PAPERS 3B: PRESENTATION/DESIGN Chair: Jonathan Helfman, U. New Mexico & AT&T Labs</p> <p>"Constraints for the Web" Alan Borning, University of Washington Richard Lin and Kim Marriott, Monash University</p> <p>"Multimedia: Design for the Moment" Pete Faraday and Alistair Sutcliffe, City University, London</p> <p>"What Should a Wildebeest Say? Interactive Nature Films for High School Classrooms" Brian Smith and Brian Reiser, Northwestern</p>

<p>3:30 PM - 5:30 PM</p>	<p>Dwight Makaroff, Gerald Neufeld and Norman Hutchinson, University of British Columbia</p> <p>"Floor Control for Large-Scale MBone Seminars"</p> <p>Radhika Malpani and Lawrence Rowe, University of California at Berkeley</p> <p>"Efficient Real-time Data Retrieval Through Scalable Multimedia Storage"</p> <p>Gin-Kou Ma, Chiung-Shien Wu, Mei-Chian Liu and Bao-Shuh Lin, Industrial Technology Research Institute</p>	<p>University</p> <p>"Efficient Resource Selection in Distributed Visual Information Systems"</p> <p>Wendy Chang, G. Sheikholeslami and Aidong Zhang, SUNY Buffalo Tanveer Syeda-Mahmood, Xerox Research Center</p>
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WEDNESDAY 11/12

<p>8:30 AM - 10:00 AM</p>	<p>PANEL 1</p> <p>"Designing Interactive Multimedia"</p> <p>Moderator: Lori L. Scarlatos, Brooklyn College</p> <p>Panelists</p> <p>Rudolph P. Darken, Naval Postgraduate School</p> <p>Carrie Heeter, Michigan State University</p> <p>Ben Shneiderman, University of Maryland</p> <p>Komei Harada, NEC C&C Research</p>	
<p>10:00 AM - 10:30 AM</p>	<p>COFFEE BREAK</p>	
<p>10:30 AM - 12:00 NOON</p>	<p>PAPERS 4A: SERVERS/SYSTEMS III</p> <p>Chair: Philipp Hoschka, INRIA</p> <p>"Random Duplicated Assignment: An Alternative to Striping in Video Servers"</p> <p>Jan Korst, Philips Research Laboratories</p> <p>"Continuous Display Using Heterogeneous Disk Subsystems"</p> <p>Roger Zimmerman, University of Southern California Shahram Ghandeharizadeh, Panasonic Technologies</p> <p>"An Object-Oriented SGML/HYTIME Compliant Multimedia Database Management System"</p> <p>M. Tamer Özsu, Paul Iglinski, Duane Szafron, Sherine El-Medani and Manuela Schöne, University of Alberta</p>	<p>PAPERS 4B: GRAPHICS</p> <p>Chair: Margaret Burnett, Oregon State U.</p> <p>"An Open Architecture for Comic Actor Animation"</p> <p>Knut Manske and Max Mühlhäuser, University of Linz</p> <p>"Embedding Data in Three-Dimensional Polygonal Models"</p> <p>Ryutarou Ohbuchi, Hiroshi Masuda and Masaki Aono, IBM Tokyo Research Laboratory</p> <p>"Motion and Feature-Based Video Metamorphosis"</p> <p>Robert Szewczyk, Andras Ferencz, Henry Andrews and Brian Smith,</p>

		Cornell University
12:00 - 1:30 PM	LUNCH BREAK	SIGMM BUSINESS MEETING
1:30 PM - 3:00 PM	<p>PAPERS 5A: SERVERS/SYSTEMS IV Chair: Alvin T. Moser, Seattle U.</p> <p>"Iterative Transmission of Media Streams" Michael Merz, Konrad Froitzheim and Peter Schulthess, University of Ulm</p> <p>"Optimizing the Data Cache Performance of a Software MPEG-2 Video Decoder" Peter Soderquist, Cornell University Miriam Leeser, Northeastern University</p> <p>"A Framework for Supporting Previewing and VCR Operations in a Low Bandwidth Environment" Wallapak Tavanapong, Kien Hua and James Wang, University of Central Florida</p>	<p>PAPERS 5B: CONTENT-BASED RETRIEVAL I Chair: HongJiang Zhang, HP Labs</p> <p>"VideoQ: An Automated Content Based Video Search System Using Visual Cues" Shih-Fu Chang, William Chen, Horace p Meng, Hari Sundaram and Di Zhong, Columbia University</p> <p>"Combining Supervised Learning with Color Correlograms for Content-Based Image Retrieval" Jing Huang, S Ravi Kumar and Mandar Mitra, Cornell University</p> <p>"Video Trails: Representing and Visualizing Structure in Video Sequences" Vikrant Kobla and David Doermann University of Maryland</p>
3:00 PM - 3:30 PM	COFFEE BREAK	
3:30 PM - 5:00 PM	<p>PANEL 2 "Middleware for Distributed Multimedia" Moderator: Gurudatta Parulkar, Washington University</p> <p>Panelists Larry Rowe, U. California at Berkeley Jonathan Walpole, Oregon Graduate Institute Geoff Coulson, University of Lancaster Raj Yavatkar, Intel Architecture Lab.</p>	
7:00 PM - 10:00 PM	<p>RECEPTION & LIGHT BUFFET DINNER Seattle Space Needle</p>	

THURSDAY 11/13

8:30 AM - 10:00 AM	<p>KEYNOTE ADDRESS Chair: Jim Foley, MERL Ben Shneiderman, U. Maryland: "Leonardo's Laptop: Anticipating Direct Manipulation Visualization"</p>
10:00 AM - 10:30 AM	COFFEE BREAK

<p>10:30 AM - 12:00 NOON</p>	<p>PAPERS 6A: VIDEO Chair: Allan Kuchinski, HP Labs</p> <p>"Long-term Movie Popularity Models in Video-on-Demand Systems" Michael Bär, Software Design and Management Carsten Griwodz and Lars Wolf, Darmstadt University of Technology</p> <p>" Scheduling Video Programs in Near Video-on-Demand Systems" Emmanuel Abram-Profeta and Kang Shin, University of Michigan</p> <p>"An Integrated Metric for Video QoS" Nalini Venkatasubramanian, Hewlett-Packard Laboratories Klara Nahrstedt, University of Illinois at Urbana-Champaign</p>	<p>PAPERS 6B: CONTENT-BASED RETRIEVAL II Chair: Stephan Fischer, Darmstadt Technical Univ.</p> <p>"Broadcast News Navigation using Story Segmentation" Andrew Merlino, Daryl Morey and Mark Maybury, Mitre Corporation</p> <p>"Semantic Analysis for Video Contents Extraction Spotting by Association in News Video" Yuichi Nakamura, University of Tsukuba Takeo Kanade, CMU</p> <p>Supporting Similarity Queries in MARS" Michael Ortega, Yong Rui, Kaushik Chakrabarti, Sharad Mehrotra and Thomas Huang, University of Illinois at Urbana-Champaign</p>
<p>12:00 - 1:30 PM</p>	<p>LUNCH BREAK</p>	
<p>1:30 PM - 2:30 PM</p>	<p>AWARD PAPERS Chair: Mark Scott Johnson, Software</p> <p>"Receiver-driven Bandwidth Adaptation for Light-weight Sessions" Elan Amir, Steven McCanne and Randy Katz, University of California at Berkeley (BEST STUDENT PAPER)</p> <p>"PanoramaExcerpts: Extracting and Packing Panoramas for Video Browsing" Yukinobu Taniguchi, Akihito Akutsu and Yoshinobu Tonomura, NTT Human Interface Laboratories (BEST PAPER)</p>	
<p>2:30 PM - 3:00 PM</p>	<p>CONFERENCE WRAP-UP</p>	

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[Stephan Fischer & Lars Wolf](#)

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