Advance Program ACM Multimedia 1997

Tuesday 11/11	**8:30 AM - 10:00 AM**	**KEYNOTE ADDRESS** Brad Myers, CMU: “Authoring Interactive Behaviors”	
	10:00 AM - 10:30 AM	**COFFEE BREAK**	
	10:30 AM - 12:00 NOON	**PAPERS 1A: CODING** “Flavor: A Language for Media Representation” Alexandros Eleftheriadis, Columbia University “Highly Scalable Image Coding for Multimedia Applications” Jie Liang, Texas Instruments “Performance Enhancement of H.263 Encoder Based On Zero Coeficient Prediction” Alice Yu, Stanford University	**PAPERS 1B: INTERACTION** “QuickSet: Multimodal Interaction for Distributed Applications” Philip Cohen, Michael Johnston, David McGee, Sharon Oviatt, Jay Pittman, Ira Smith, Liang Chen and Josh Clow, Oregon Graduate Institute of Science and Technology “3DSketch: Modeling by Digitizing with a Smart 3D Pen” Song Han and Gerard Medioni, University of Southern California “An Improved Auditory Interface for the Exploration of Lists” Ian Pitt, Otto-von-Guericke Universitat
	12:00 - 1:30 PM	**LUNCH BREAK**	
	1:30 PM - 3:00 PM	**PAPERS 2A: SER VERS/SYSTEMS** “Move-To-Rear List Scheduling: A New Scheduling Algorithm for Providing QoS Guarantees” John Bruno, Eran Gabber, Banu Ozden and Abraham Silberschatz, Bell Laboratories “Delivery of MHEG-5 in a DAVIC ADSL Network” John Buford and Chetan Gopal, University of Massachusetts at Lowell “BubbleUp: Low Latency Fast-Scan for Media Servers” Edward Chang and Hector Garcia-Molina, Stanford University	**PAPERS 2B: HYPERMEDIA** “User Interface Evaluation of a DIrect Manipulation Temporal Visual QueryLanguage” Stacie Hibino, University of Michigan / Elke Rundersteiner, Worcester Polytechnic Institute “A Visual Approach to Multimedia Querying and Presentation” Isabel Cruz and Wendy Lucas, Tufts University “Adaptable Hypermedia Documentation” Lloyd Rutledge, Centrum voor Wiskunde en Informatica / Jacco van Ossenbruggen, Vrije Universiteit Lynda Hardman and Dick Bulterman, Centrum voor Wiskunde en Informatica
	3:00 PM - 3:30 PM	**COFFEE BREAK**	
	3:30 PM - 5:30 PM	**PAPERS 3A: SER VERS/SYSTEMS II** “A Failure and Overload Tolerance Mechanism for Continuous Media Servers” R. Krishnan, D. Venkatesh and T.D.C. Little, Boston University “An Evaluation of VBR Disk Admission Algorithms for Continuous Media File Servers” Dwight Makaroff, Gerald Neufeld and Norman Hutchinson, University of British Columbia “Floor Control for Large-Scale MBone Seminars” Radhika Malpani and Lawrence Rowe, University of California at Berkeley “Efficient Real-time Data Retrieval Through Scalable Multimedia Storage” Gin-Kou Ma, Chiung-Shien Wu, Mei-Chian Liu and Bao-Shuh Lin, Industrial Technology Research Institute	**PAPERS 3B: PRESENTATION/DESIGN** “Constraints for the Web” Alan Borning, University of Washington Richard Lin and Kim Marriott, Monash University “`Multimedia’: Design for the Moment” Pete Faraday and Alistair Sutcliffe, City University, London “What Should a Wildebeest Say? Interactive Nature Films for High School Classrooms” Brian Smith and Brian Reiser, Northwestern University “Efficient Resource Selection inDistributed Visual Information Systems” Wendy Chang, G. Sheikholeslami and Aidong Zhang, SUNY Buffalo / Tanveer Syeda-Mahmood, Xerox Research Center

Wednes-day 11/12	**8:30 AM - 10:00 AM**	**PANEL 1** "Designing Interactive Multimedia" Moderator: Lori L. Scarlatos, Brooklyn College	
	10:00 AM - 10:30 AM	**COFFEE BREAK**	
	10:30 AM - 12:00 NOON	**PAPERS 4A: SERVERS/SYSTEMS III** "Random Duplicated Assignment: An Alternative to Striping in Video Servers" Jan Korst, Philips Research Laboratories "Continuous Display Using Heterogeneous Disk Subsystems" Roger Zimmerman, Univesity of Southern California / Shahram Ghandeharizadeh, Panasonic Technologies "An Object-Oriented SGML/HYTIME Compliant Multimedia Database Management System" M. Tamer Özsu, Paul Iglinski, Duane Szafron, Sherine El-Medani and Manuela Schöne, University of Alberta	**PAPERS 4B: GRAPHICS** "An Open Architecture for Comic Actor Animation" Knut Manske and Max Mühlhäuser, University of Linz "Embedding Data in Three-Dimensional Polygonal Models" Ryutarou Ohbuchi, Hiroshi Masuda and Masaki Aono, IBM Tokyo Research Laboratory "Motion and Feature-Based Video Metamorphosis" Robert Szewczyk, Andras Ferencz, Henry Andrews and Brian Smith, Cornell University
	12:00 - 1:30 PM	**LUNCH BREAK**	**SIGMM BUSINESS MEETING**
	1:30 PM - 3:00 PM	**PAPERS 5A: SERVERS/SYSTEMS IV** "Iterative Transmission of Media Streams" Michael Merz, Konrad Froitzheim and Peter Schulthess, University of Ulm "Optimizing the Data Cache Performance of a Software MPEG-2 Video Decoder" Peter Soderquist, Cornell University/ Miriam Leeser, Northeastern University "A Framework for Supporting Previewing and VCR Operations in a Low Bandwidth Environment" Wallapak Tavanapong, Kien Hua and James Wang, University of Central Florida	**PAPERS 5B: CONTENT-BASED RETRIEVAL I** "VideoQ: An Automated Content Based Video Search System Using Visual Cues" Shih-Fu Chang, William Chen, Horace Meng, Hari Sundaram and Di Zhong, Columbia University "Combining Supervised Learning with Color Correlograms for Content-Based Image Retrieval" Jing Huang, S Ravi Kumar and Mandar Mitra, Cornell University "Video Trails: Representing and Visualizing Structure in Video Sequences" Vikrant Kobla and David Doermann University of Maryland
	3:00 PM - 3:30 PM	**COFFEE BREAK**	
	3:30 PM - 5:00 PM	**PANEL 2** "Middleware for Distributed Multimdia" Moderator: Gurudatta Parulkar, Washington University	
	7:00 PM - 10:00 PM	**RECEPTION & LIGHT BUFFET DINNER** Seattle Space Needle	

Thursday 11/13	**8:30 AM - 10:00 AM**	**KEYNOTE ADDRESS** Ben Shneiderman, U. Maryland: “Leonardo’s Laptop: Anticipating Direct Manipulation Visualization”	
	10:00 AM - 10:30 AM	**COFFEE BREAK**	
	10:30 AM - 12:00 NOON	**PAPERS 6A: VIDEO** “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 “Scheduling Video Programs in Near Video-on-Demand Systems” Emmanuel Abram-Profeta and Kang Shin, University of Michigan “An Integrated Metric for Video QoS” Nalini Venkatasubramanian, Hewlett-Packard Laboratories / Klara Nahrstedt, University of Illinois at Urbana-Champaign	**PAPERS 6B: CONTENT-BASED RETRIEVAL II** “Broadcast News Navigation using Story Segmentation” Andrew Merlino, Daryl Morey and Mark Maybury, Mitre Corporation “Semantic Analysis for Video Contents Extraction Spotting by Association in News Video” Yuichi Nakamura, University of Tsukuba / Takeo Kanade, CMU “Supporting Similarity Queries in MARS” Michael Ortega, Yong Rui, Kaushik Chakrabarti, Sharad Mehrotra and Thomas Huang, University of Illinois at Urbana-Champaign
	12:00 - 1:30 PM	**LUNCH BREAK**	
	1:30 PM - 2:30 PM	**AWARD PAPERS** “Receiver-driven Bandwidth Adaptation for Light-weight Sessions” Elan Amir, Steven McCanne and Randy Katz, University of California at Berkeley **(BEST STUDENT PAPER)** “PanoramaExcerpts: Extracting and Packing Panoramas for Video Browsing” Yukinobu Taniguchi, Akihito Akutsu and Yoshinobu Tonomura, NTT Human Interface Laboratories **(BEST PAPER)**	
	2:30 PM - 3:00 PM	**CONFERENCE WRAP-UP**	