IEEE International Symposium on Multimedia (ISM2005)

December 12-14, 2005
Irvine, California, USA

http://ISM2005.eecs.uci.edu/

Sponsored by the IEEE Computer Society

in cooperation with
University of California at Irvine

The IEEE International Symposium on Multimedia (ISM2005) is an international forum for researchers to exchange information regarding advances in the state of the art and practice of multimedia computing, as well as to identify the emerging research topics and define the future of multimedia computing. The technical program of ISM2005 will consist of invited talks, paper presentations, and panel discussions.

Submissions of high quality papers describing mature results or on-going work are invited. Topics for submission include but are not limited to:

- Multimedia systems, architecture, and applications
- Multimedia networking and QoS
- Peer-to-peer multimedia systems and streaming
- Pervasive and interactive multimedia systems including mobile systems, pervasive gaming, and digital TV
- Multimedia meta-modeling techniques and operating systems
- Architecture specification languages
- Software development using multimedia techniques
- Multimedia signal processing including audio, video, image processing, and coding
- Multimedia tools including authoring, analyzing, editing, and browsing
- Visualization
- Virtual Reality
- Multimedia and multimodal user interfaces and interaction models
- Multimedia file systems, databases, and retrieval
- Multimedia collaboration
- Rich media enabled E-commerce
- Computational intelligence including neural networks, fuzzy logic, and genetic algorithms
- Intelligent agents for multimedia content creation, distribution, and analysis
- Internet telephony and hypermedia technologies and systems
- Multimedia security including digital watermark and encryption

Submissions

The written and spoken language of ISM2005 is English. Authors should submit a full paper via electronic submission to ISM2005@eecs.uci.edu. Full papers must not exceed 20 pages printed using at least 11-point type and double spacing. All papers should be in Adobe portable document format (PDF) or PostScript format. The paper should have a cover page, which includes a 200-word abstract, a list of keywords, and author's phone number and e-mail address. The Conference Proceedings will be published by the IEEE Computer Society Press. A number of the papers presented at the conference will be selected for possible publications in journals.

ISM2005 will also include a few tutorials, workshops and special tracks dedicated to focused interest areas. Submissions of proposals on tutorials, workshops and special tracks of emerging areas are invited. Please submit proposals to Tutorial Chairs, Workshop Chairs or Special Tracks Chair, respectively. Papers from Workshops and Focused Tracks will be presented at ISM2005, and included in the Proceedings.

Important Dates

- **July 15, 2005** Submission of papers and proposals on workshops, special tracks and tutorials.
- **July 30, 2005** Notification of acceptance of workshop, special track and tutorial proposals
- **August 15, 2005** Notification of acceptance of papers
- **September 10, 2005** Camera-Ready copy of accepted papers due

Conference Location

The Conference will be held at

HYATT REGENCY IRVINE
17900 Jamboree Boulevard
Irvine, CA 92614
D/L: 949-225-6662
Fax: 949-225-6769
Website: www.irvine.hyatt.com

A limited number of rooms have been reserved at the rate below, please make your reservations early and mention the **IEEE Computer Society/ ISM2005 Conference**.

The deadline for hotel reservation is 11/12/2005.

Conference Special Rate: $119

Conference Organization

General Co-Chairs
Jeffrey J. P. Tsai, University of Illinois, Chicago, USA
Max Muhlhauser, Darmstadt University of Technology, Germany

Makoto Takizawa, Tokyo Denki University, Japan

Program Co-Chairs
Phillip C.Y. Sheu, University of California, Irvine, USA
Heather Yu, Panasonic Research, USA
Ilja Radusch, Technische Universität Berlin, Germany
Hiroshi Yamaguchi, Chuo University, Japan
Enhong Chen, University of Science & Technology of China
Mark Liao, Academia Sinica, Taiwan

Advisory Committee
C. V. Ramamoorthy, (Chair), University of California, Berkeley, USA
A.K. Onoma, Hosei University, Japan
Nikolaos Bourbakis, Wright State University, USA
Shih-Fu Chang, Columbia University, USA
S.K. Chang, University of Pittsburgh, USA
Arif Ghafoor, Purdue University, USA
Raymond Paul, Department of Defense, USA
Benjamin Wah, University of Illinois, USA

Workshops Co-Chairs
Shu-Ching Chen, Florida International University, USA
Jianhua Ma, Hosei University, Japan
Jiandong Li, Xidian University, China

Tutorial Co-Chairs
Hari Kalva, Florida Atlantic University, USA
Du Zhang, California State University, USA

Special Track Co-Chairs
Gary Chan, The Hong Kong University of Science & Technology, Hong Kong
Rong-Ming Chen, Asia University, Taiwan

Publicity Co-Chairs
Pascal Frossard, EPFL, Switzerland
David Hecht, Pfizer, USA
Jiwu Huang, Sun Yat-Sien University, China
Moon Hae Kim, Konkuk University, Korea
Timothy Shih, Tamkang University, Taiwan

Publication Co-Chairs
Wallapak Tavanapong, Iowa State University, USA
Weide Chang, California State University, Sacramento

Web Chair: Lihua Zheng, University of Electronic Science & Technology of China

Financial Chair: Taehyung Wang, California State University, Northridge

Local Arrangement Chair: Fei Xie, University of California, Irvine

Registration Chair: Donghua Deng, University of California, Irvine

Program Committee Members:

Abdellatif BENJELLOUN TOUIMI	France Telecom Research and Development - France
Abdennour El Rhalibi	Liverpool John Moores University - UK
Andrea Prati	University of Modena and Reggio Emilia, Italy
Andreas J. Kassler	Karlstad University, Sweden
Atsushi Kitazawa	NEC Soft, Japan
Baowen Xu	Southeast University, China
C.Y. Tang	National Tsinghua University, Taiwan
Chang Wen CHEN	Florida Institute of Technology, USA
Changjun Jiang	Tongji University, China
Chengcui Zhang	University of Alabama at Birmingham, USA
Chia-Chu Chiang	University of Arkansas at Little Rock, USA
Chia-Wen Lin	National Chung-Cheng University, Taiwan
Ching-Yung Lin	IBM T. J. Watson Research Center, USA
Chung-Ling Huang	National Tsing Hua University, Taiwan
Chun-Shien Lu	Academia Sinica, Taiwan
Clark N. Taylor	Brigham Young University, USA
Cyrus Shahabi	University of Southern California, USA
Doohyun Kim	Konkuk University, Korea
Frank Hsu	Fordham University, USA
Frederic Dufaux	Ecole Polytechnique Federale de Lausanne (EPFL), Switzerland
Giorgio Ventre	Università di Napoli Federico II, Italy
Gabriela Lindemann	Humboldt University, Berlin, Germany
Haohong Wang	Qualcomm, USA
Homer Chen	National Taiwan University, Taiwan
Hsiao-Rong Tyan	Chung-Yuan Christian University, Taiwan
Hu Yunfa	Fudan University, China
James C. French	NSF & University of Virginia, USA
Jean-Luc DUGELAY	Eurécom, Sophia Antipolis, France
Jiali Feng	Shanghai Maritime University, USA
Jiebo Luo	Kodak Research Labs, USA
Jin-Jang Leou	National Chung-Cheng University, Taiwan
Joel J. P. C. Rodrigues	University of Beira Interior, Portugal
Juan Carlos DE MARTIN	IEIIT-CNR, Italy
K.P. Subblakshmi	Stevens Institute of Technology, USA
Ke Liu	National Natural Science Foundation of China
Keqing He	Wuhan University, China
Kuo-Chin Fan	National Central University, Taiwan
Lambros Lambrinos	University of Cyprus
Liang-Jie Zhang	IBM Watson, USA
Long-Wen Chang	National Tsing Hua University, Taiwan
Manohar N. Murthi	University of Miami, USA
Manuel Perez Malumbres	Technical University of Valencia (UPV), Spain
Manuela Pereira	Universidade da Beira Interior, Portugal
Marco Roccetti	University of Bologna, Italy
Mario Marques Freire	University of Beira Interior, Portugal
Markus Kampmann	Ericsson Research, Germany
Onur G. Guleryuz	DoCoMo Communications Laboratories USA

Paola Salomoni	University of Bologna - Italy
Pyungsoo Mah	ETRI, Korea
Qing Li	City University of Hong Kong, China
R. Chandramouli	Stevens Institute of Technology, USA
R. N. Uma	University of Texas at Dallas, U.S.A
Ragip Kurceren	Nokia Research Center, USA
Reinhard Gerber	Reinhard Gerber Elektronik & System Service, Germany
Ryoichi Komiya	Multimedia University, Malaysia
Shih-Fu Chang	Columbia University, USA
Tomoya Enokido	Rissho University, Japan
V.S. Subrahmanian	University of Maryland, College Park, USA
Wai Lam	Chinese University of Hongkong, China
Mingshu Li	Chinese Academy of Sciences, China
Xiaoyuan Gu	Technical University of Braunschweig (TUBS), Germany
Yoshitaka Shibata	Iwate Prefectural University, Japan
Yueting Zhuang	ZheJiang University, China
Zhou Zhihua	Nanjing University, China
Zhu Li	Multimedia Research Lab, Motorola Labs, USA
Mei-Ling Shyu	University of Miami, USA
Hongji Yang	De Montfort University, UK
Jen-Yao Chung	IBM T. J. Watson Research Center, USA
Mark Harman	Kings College, UK
Ming Ouhyoung	National Taiwan University, Taiwan
Paul Layzell	Manchester University, UK
Bashar Nuseibeh	Open University, UK
Kecheng Liu	Reading University, UK
Jonathan Bowen	South Bank University, UK