

ACM Multimedia is the premier conference and worldwide event bringing together multimedia experts and practitioners across academia and industry. The central feature of the conference, which continues this year as in every year since its inception, is the outstanding Technical Program. This year's conference features both oral and poster presentations covering all aspects of the multimedia field chosen through a highly selective review process. Notably, this year's conference includes special Technical Program activities recognizing the 20th anniversary of ACM Multimedia.

In addition to the Technical Program, this year's conference features a diverse range of activities including Panels, Demonstrations, and Tutorials. Additionally, a wide array of Workshops brings focus on new topics for investigation. The conference features also special sessions on Brave New Ideas, a Grand Challenge contest, an Open Source Software Competition and includes a Doctoral Symposium for mentoring graduate students. Finally, the conference provides a rich Multimedia Art Exhibition to stimulate artists and researchers alike to meet and discover the frontiers of multimedia artistic communication!

<http://www.acmmm12.org/>



The 20th Anniversary ACM Multimedia 2012

October 29 – November 2, 2012

Nara, Japan



20th Anniversary Keynote Talk

Future Direction of Digital Content

Masahiro Fujita (Sony Corporation, JP)

20th Anniversary Panel

Coulda, Woulda, Shoulda: 20 Years of Multimedia Opportunities

Organizers

Klara Nahrstedt (Univ. of Illinois at Urbana-Champaign, US)
Malcolm Slaney (Microsoft, US)

Panelists

Dick Bulterman (CWI / Vrije Univ., NL)
Ramesh Jain (Univ. of California, Irvine, US)
Larry Rowe (Univ. of California, Berkeley / FXPAL, US)
Ralf Steinmetz (Darmstadt Univ. of Technology, DE)

Multimedia Art Exhibition 2012 *Eternal / Moment*

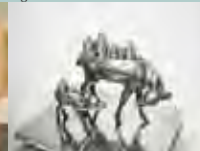
Multimedia Art Exhibition 2012 entitled as *Eternal / Moment* presents integrated perspectives spanning art, entertainment and culture. It shows this year's fruitful juried/curated works in multiple media forms; hybrid art, zero-gravity-space art, installations and interactive media, digital communities, mobile media, and aesthetic/scientific exploration.



empathetic heartbeat

2kg Deer

The Silent Power



©Hideyuki Ando, Junji Watanabe, Masahiko Sato

©Satoru Tamura

©Shih-Ting Tsai



Association for
Computing Machinery



Schedule

| | |
|------------|----------------------|
| October 29 | Tutorials, Workshops |
| October 30 | Main conference |
| October 31 | Main conference |
| November 1 | Main conference |
| November 2 | Workshops |

Plenary Talk

Decoding Visual Experience from the Human Brain

Yukiyasu Kamitani (ATR Computational Neuroscience Labo., JP)

Full Papers & Short Papers

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|---|--|
| ▪ Media Content Analysis and Processing | ▪ Media Transport and Sharing |
| ▪ Multimedia Activity and Event Understanding | ▪ Multimedia Security and Forensics |
| ▪ Multimedia Search and Retrieval | ▪ Multimedia Authoring, Production and Consumption |
| ▪ Mobile and Location-Based Media | ▪ Multimedia Interaction and Applications |
| ▪ Social Media | ▪ Multimedia Art, Entertainment and Culture |
| ▪ Multimedia Systems and Middleware | |

Panel Session

Content is Dead; Long Live Content!

Organizers

Lexing Xie (Australian National Univ., AU)
David A. Shamma (Yahoo! Research, US)
Cees G. M. Snoek (Univ. of Amsterdam, NL)

Panelists

Susanne Boll (Univ. of Oldenburg, DE)
Tat-Seng Chua (National Univ. of Singapore, SG)
Minoru "Mick" Etoh (NTT Docomo, JP)
Malcolm Slaney (Microsoft, US)
Yong Rui (Microsoft, CN/US)

Tutorials

Interacting with Image Collections – Visualisation and Browsing of Image Repositories
Gerald Schaefer (Loughborough Univ., UK)

Dynamic Adaptive Streaming over HTTP – From Content Creation to Consumption
Christian Timmerer (Alpen-Adria-Univ. Klagenfurt, AT)
Carsten Griwodz (Simula Research Laboratory, NO)

Privacy Concerns in Multimedia and Their Solutions
Gerald Friedland (ICSI and Univ. of California, Berkeley, US)

Multimedia Recommendation
Jialie Shen (Singapore Management Univ., SG)
Meng Wang (Hefei Univ. of Technology, CN)
Shuicheng Yan (National Univ. of Singapore, SG)
Peng Cui (Tsinghua Univ. CN)

Continuous Analysis of Emotions for Multimedia Applications
Hatice Gunes (Queen Mary, Univ. Os London, UK)
Björn Schuller (Technische Univ. München, DE)

A Human-Centered Perspective on Multimedia Data Science
Alejandro Jaimes (Yahoo! Research, ES)

Workshops

Full-Day Workshops

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|-----------|--|
| [SAM] | Workshop on Socially-Aware Multimedia (Oct.29) |
| [CrowdMM] | Workshop on Crowdsourcing for Multimedia (Oct.29) |
| [MAED] | Workshop on Multimedia Analysis for Ecological Data (Nov.2) |
| [MIRUM] | Workshop on Music Information Retrieval with User-Centered and Multimodal Strategies (Nov.2) |

Half-Day Workshops

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|-------------|---|
| [GeoMM] | Workshop on Geotagging and Its Applications in Multimedia (Nov.2) |
| [AMVA] | Workshop on Audio and Multimedia Methods for Large-Scale Video Analysis (Nov.2) |
| [CBMAS-EH] | Workshop on Cloud-Based Multimedia Applications and Services for E-health (Nov.2) |
| [CEA] | Workshop on Multimedia for Cooking and Eating Activities (Nov.2) |
| [LUXE-LATE] | Workshop on User Experience in e-Learning and Augmented Technologies in Education (Nov.2) |
| [PATCH] | Workshop on Personalized Access to Cultural Heritage (Nov.2) |
| [IMMPD] | Workshop on Interactive Multimedia on Mobile and Portable Devices (Nov.2) |

Other Programs

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|----------------------------------|--|
| Brave new ideas program | Multimedia grand challenge competition |
| Video program | Doctoral symposium |
| Open source software competition | Technical demonstrations |

Organizing Committee

General Chairs

Noboru Babaguchi (Osaka Univ., JP)
Kiyoharu Aizawa (The Univ. of Tokyo, JP)
John Smith (IBM, US)

Technical Program Chairs

Shin'ichi Satoh (National Inst. of Informatics, JP)
Thomas Plagemann (Univ. of Oslo, NO)
Xian-Sheng Hua (Microsoft, US)
Rong Yan (Facebook, US)

Local Arrangement Chairs

Tomio Echigo (Osaka Electro-Communication Univ., JP)
Naoko Nitta (Osaka Univ., JP)

Twentieth Anniversary Liasion

Ramesh Jain (Univ. of California at Irvine, US)
Malcolm Slaney (Yahoo! Research, US)

Panels Chairs

Yong Rui (Microsoft Research, CN)
Shih-Fu Chang (Columbia Univ., US)

Brave New Ideas Program Chairs

Alejandro Jaimes (Yahoo! Research, ES)
Tat-Seng Chua (National Univ. of Singapore, SG)

Multimedia Grand Challenge Chairs

Marcel Worring (Univ. of Amsterdam, NL)
Yushi Jing (Google Research, US)
Go Irie (Nippon Telegraph & Telephone Corp., JP)

Multimedia Art Program Chairs

Tomoe Moriyama (Museum of Contemporary Art Tokyo, JP)
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Aisling Kelliher (Arizona State Univ., US)
David A. Shamma (Yahoo! Research, US)

Technical Demonstration Chairs

Qi Tian (Univ. of Texas at San Antonio, US)
Hirokazu Kato (Nara Inst. of Science & Technology, JP)

Open Source Software Competition Chairs

Daniel Gatica Perez (IDIAP Research Inst., CH)
Masanori Sano (Japan Broadcasting Corp., JP)

Video Program Chairs

Tao Mei (Microsoft Research Asia, CN)
Koichi Shinoda (Tokyo Inst. of Technology, JP)

Doctoral Symposium Chairs

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Tutorials Chairs

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Svetha Venkatesh (Deakin Univ., AU)

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Yoichiro Miyake (Square Enix, JP)

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