

MMSYS 2017 TAIPEI TAIWAN BRIDGE THE SYSTEM AND HUMANS

June 20 - 23, 2017

Academic Sinica

The ACM Multimedia Systems Conference (MMSys) provides a forum for researchers to present and share their latest research findings in multimedia systems. While research about specific aspects of multimedia systems are regularly published in the various proceedings and transactions of the networking, operating system, realtime system, database, mobile computing, distributed systems, and middleware communities, MMSys aims to cut across these domains in the context of multimedia data types. This provides a unique opportunity to view the intersections and the inter-play of the various approaches and solutions developed across these domains to deal with multimedia data types.

MMSys is a venue for researchers who explore

- Complete multimedia systems that provide a new kind of multimedia experience or systems whose overall performance improves the state-of-the-art through new research results in one of more components, or
- Enhancements to one or more system components that provide a documented improvement over the state-of-the-art for handling continuous media or time-dependent services.

Such individual system components include

- Operating systems
- Distributed architectures and protocol enhancements
- Domain languages, development tools and abstraction layers
- Using new architectures or computing resources for multimedia
- New or improved I/O architectures or I/O devices, innovative uses and algorithms for their operation
- Representation of continuous or time-dependent media
- Metrics, measures and measurement tools to assess performance

This touches aspects of many hot topics including but not limited to: adaptive streaming, games, virtual reality, augmented reality, mixed reality, 3D video, Ultra-HD, HDR, immersive systems, plenoptics, 360° video, multimedia IoT, multi- and many-core, GPGPUs, mobile multimedia and 5G, wearable multimedia, P2P, cloud-based multimedia, cyber-physical systems, and multi-sensory and multimedia experiences.

All submissions will be peer-reviewed by at least 3 members of the technical program committee. All papers will be evaluated for their scientific quality. Authors will have a chance to submit their rebuttals before online discussions among TPC members.

Papers should be between 6 and 12 pages long (in PDF format) prepared in the ACM style and written in English. The unusual length of MMSys papers is meant to enable authors to present entire multimedia systems or present research work that builds on considerable amounts of earlier work in a self-contained manner. Authors who submit very specific, detailed research work that does not require such brevity are encouraged to use less than 12 pages. The papers are double-blind reviewed.

ACM SIGMM has a tradition of publishing open datasets (MMSys) and open source projects (ACM Multimedia). MMSys 2017 goes one step further towards scientific reproducibility, by becoming the first SIGMM conference implementing the new ACM reproducibility badge system. All accepted papers will be contacted by the scientific reproducibility committee, inviting the authors to make their dataset and code available, and thus obtaining an ACM badge (visible at the ACM DL). The additional material will be published as Appendixes, with no effect on the final page count for papers.

Important Dates (all in AoE)

Submission Deadline:	January 10, 2017
Reviews available to Authors:	February 20, 2017
Rebuttal Deadline:	February 24, 2017
Acceptance Notification:	March 8, 2017
Camera-ready Deadline:	April 28, 2017

Web site

<http://mmsys17.iis.sinica.edu.tw/>

<http://mmsys17.iis.sinica.edu.tw/submission/mmsys>

Organizing Committees

General Chair: Kuan-Ta Chen, Academia Sinica

TPC Chairs: Pablo Cesar, Centrum Wiskunde & Informatica
Cheng-Hsin Hsu, National Tsing Hua University

Dataset Chair: Gwendal Simon, Telecom Bretagne

Demo Chair: Vincent Charvillat, Université de Toulouse

Panel Chair: Shun-Yun Hu, Imonology Inc.

Overview Talk Chairs:

Carsten Griwodz, Simula Research

Dick Bulterman, Centrum Wiskunde & Informatica

Proc. Chair: Chun-Ying Huang, National Chiao Tung University

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America: Shu Shi, AT&T Labs Research

Europe: Maha Abdallah, Pierre and Marie Curie University

Middle East: Mohamed Hefeeda, Simon Fraser University

Local Chair: Hwai-Jung Hsu, Academia Sinica

Treasurer: Chih-Fan Hsu, Academia Sinica

Web Chair: Anthony Chen, Academia Sinica