The 1st International Workshop on

High-Dimensional Multimedia Visual Data: Imaging, Processing, Perception, and Reasoning

Kuala Lumpur, Malaysia December 9 – 12, 2025

High dimensional visual data are reshaping the landscape of multimedia understanding. These modalities extend beyond conventional 2D images and videos, offering richer information across spatial, temporal, angular, spectral, and modality dimensions. This workshop focuses on the challenges and opportunities in the imaging, processing, perception, and reasoning of high dimensional multimedia data. It brings together researchers from computational imaging, multimodal learning, and neural representations to explore efficient methods for sensing, reconstruction, and semantic understanding.

Call For Paper

We invite submissions of original research contributions related to, but not limited to, the following areas:

1. High-Dimensional Visual Sensing and Computational Imaging
2. Compression and Neural Representations for Complex Modalities
3. Semantic Understanding and Cross-Modal Perception
4. Vision-Language Reasoning for Multi-modal Data
5. Datasets and Benchmarks for High-Dimensional Media
6. Trustworthy and Efficient Multi-modal Intelligence

We will select 4 oral papers to be presented at our workshop. One of these will be awarded the Best Paper Award, which will be announced during the event.

Workshop Site: https://mmasia2025.org/imaging-processing-perception

Submission Site: https://cmt3.research.microsoft.com/MMASIA2025/Track/16/Submission/Create

Important Dates

Paper Submission Deadline: October 4, 2025, 23:59 (UTC-0)
Reviews Released: October 16, 2025, 23:59 (UTC-0)
Camera-ready Submission: October 24, 2025, 23:59 (UTC-0)

Organizers

Zeyu Xiao, Research Fellow, National University of Singapore
Zhuoyuan Li, Ph.D., University of Science and Technology of China
Xiang Chen, Ph.D., Nanjing University of Science and Technology
Cong Zhang, Postdoctoral Fellow, The Chinese University of Hong Kong
Hadi Amirpour, Assistant Professor, University of Klagenfurt
Yakun Ju, Lecturer (Assistant Professor), University of Leicester
Zhiwei Xiong, Professor, University of Science and Technology of China
Kin-Man Lam, Professor, The Hong Kong Polytechnic University