The 21st International Conference on
Intelligent Information Hiding and Multimedia Signal Processing
(IIHMSP 2025)

October 15-17, 2025, The Splendor Hotel, Taichung, Taiwan

Special Session on Generative AI, Multimedia, and Image Processing

Call for Papers

Organizers: Prof. Li-Hua Li and Prof. Hung-Cheng Chen

This Special Session aims to foster a dynamic platform for presenting and discussing cutting-edge research in the rapidly advancing fields of Generative AI, Multimedia, and Image Processing. With the emergence of powerful generative models and multimodal learning frameworks, these domains have undergone a transformative shift—enabling machines to synthesize, interpret, and interact with visual and multimedia data in increasingly human-like ways. From text-to-image generation and video synthesis to cross-modal retrieval and real-time image enhancement, the convergence of generative techniques and image processing is unlocking novel applications in education, entertainment, art, medical care, autonomous systems, or digital content creation. For this session, we welcome original contributions that explore foundational advancements, algorithmic innovations, and impactful applications in generative applications, models, multimedia creations, AR/VR applications, AI-related image applications, and intelligent image processing. We particularly encourage interdisciplinary works that bridge visual understanding with other modalities, propose efficient and scalable generative methods or applications. Papers focused on cross-disciplinary approaches and those proposing scalable solutions to multimedia or art creation, intelligent image processing issues are particularly welcome.

The topics covered in this Special Session include, but are not limited to, the following areas:

Topics of interest include but are not limited to the following:

1. Generative AI & Application
2. Generative AI and Art Creation
3. Generative AI and Multimedia
4. Generative AI and Popular Science
5. Generative AI and Animation Creation
6. AI and AR/VR application
7. AI and Image Processing
8. AI and Image Recognition

Submissions:

Papers should follow the template announced on the IIHMSP 2025 conference website (https://iihmsp25.csie.cyut.edu.tw), and be submitted via **Microsoft CMT** system and then select

SUBJECT AREAS: **SS-06:Generative AI, Multimedia, and Image Processing** for submission (please refer to the following captured figure).

Conference Proceeding Information:

Papers that are presented orally at the conference and meet the publication requirements of IIHMSP-2025 conference proceedings will be published in Springer's book series titled "Smart Innovation, Systems and Technology". Normally, this series will be indexed by Scopus and EI Compendex.

Important Dates: (If IIHMSP 2025 extends the dates, follow those dates announced on the website)
Paper submission deadline: **May 30, 2025**
Acceptance notification: **July 30, 2025**
Camera-ready copy and registration: **July 15, 2025**

For more information:

Please visit the IIHMSP 2025 official websites (https://iihmsp25.csie.cyut.edu.tw or https://iihmsp25.github.io/) or contact the organizers of this special session as follows:

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