

**IIHMSP-2022 CALL FOR PAPERS**  
**The 18th International Conference on**  
**Intelligent Information Hiding and Multimedia Signal Processing.**  
December 16-18, 2022, Kitakyushu, Japan (Online)



#### Honorary Chairs

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**Jeng-Shyang Pan**, Shandong University of Science and Technology, China

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Multimedia technologies facilitate the creation of global information infrastructure for acquiring, storing, communicating data with different forms. Proliferation of multimedia applications raises challenges such as multimedia security and privacy, big data in multimedia, and intelligence in multimedia processing. IIHMSP-2022 is an annual event serving as international forums for researchers and practitioners from information hiding and multimedia signal processing to exchange latest research outcomes. We invite submissions of original research papers for the conference tracks:

Topics of interest include, but not to limited to:

##### Topic I: Information Hiding and Security

- Watermarking: techniques, attacks, protocols, applications
- Steganography and steganalysis: techniques, protocols, applications
- Cryptography and cryptanalysis: techniques, protocols, applications
- Data authentication issues and access control themes
- Broadcast and public key encryption
- Forensic analysis and tracing traitors
- Digital rights management and legal aspect
- RFID security and home network privacy
- Platform integrity and trusted computing
- Systems engineering and development for information hiding & security
- ASIC/FPGA/GPGPU design and implementation for information hiding & security
- Enabling technologies and emerging standards for information hiding & security

##### Topic II: Multimedia Signal Processing and Networking

- Multimedia sensing and sensory systems
- Multimedia source coding and channel coding
- Multimedia signal analysis and visualization
- Multimedia signal mining and data fusion

- Wired and wireless Multimedia networking and communication techniques
- Multimedia/multimodal signal interpretation and automatic recognition
- Multimedia databases and retrievals
- Multimedia hyperlink techniques and applications
- Advances in multimedia content description interfaces
- Multimedia big data
- Systems engineering and development for multimedia systems
- Enabling technologies and emerging standards for multimedia systems

##### Topic III: Bio-Inspired Multimedia Technologies and Systems

- Artificial neural networks for multimedia processing: models, learning paradigms, architectures, and implementations
- Fuzzy systems and evolutionary computing for intelligent multimedia processing
- Human-machine multimodal interaction: e.g. face/speech recognition, facial expression and emotion categorization, gesture analysis and recognition, etc.

#### Paper Submissions

Papers reporting original and unpublished research results on the above and related topics are solicited. For detailed paper format and submission instructions, please visit the conference website: <http://bit.nkust.edu.tw/~iihm22>

#### Important Dates

Paper submission deadline	October 5, 2022
Invited session application deadline	September 15, 2022
Acceptance notification	November 5, 2022
Camera-ready papers due	November 12, 2022

All accepted papers will be published in the conference proceedings, which will be published by Springer in the series of **Smart Innovation, Systems and Technology** indexed by EI and Scopus. Selected papers of the conference will be invited for further extensions and after peer-review, will be published in several special issues indexed by SCI.

