

**Title:**

Multimedia Intelligence and Security (MIS)

Abstract:

As one of the most important and valuable sources for insights and information, multimedia has become one of the most widely used information carrier in our daily life. At the same time, Artificial Intelligence (AI) is changing the world around us. Multimedia and AI will bring new opportunities and conveniences to everything around us. But multimedia and AI raise many security and privacy concerns in some areas such as data integrity, confidentiality, controllability, auditability and privacy protection and so on. To address these issues, some technologies and protocols have been proposed. This workshop aims to bring together researchers and practitioners from both industry and academia to participate and present their high-quality original research papers in various aspects of multimedia intelligence and security issues.

Scope and Topics:

Potential topics include but are not limited to:

- ✧ Intelligent multimedia communication
- ✧ Multimedia information hiding
- ✧ Multimedia forensics
- ✧ Multimedia encryption
- ✧ Multimedia perceptual hashing
- ✧ Searchable encryption for multimedia
- ✧ Security and privacy concerns in biometric recognition
- ✧ Security and privacy in multimedia social networks
- ✧ Multimedia content understanding
- ✧ Intelligent multimedia computing
- ✧ Mobile multimedia sharing
- ✧ Medical image processing
- ✧ Intelligent multimedia surveillance
- ✧ Intelligent e-health based on multimedia analysis
- ✧ Social media analytics
- ✧ Green computing for multimedia big data

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Hengfu Yang graduated from Department of Mathematics, Xiangtan University, in 1996, and received the M.S. degree from Department of Computer Science, Guizhou University, in 2003, and the Ph.D. degree from Department of Information Science



and Engineering, Hunan University, in 2009. He worked as a visiting scientist at Harvard Medical School, Harvard University from April 2014 to April 2015. He is currently a professor in the Department of Information Science and Engineering, Hunan First Normal University, China. His research interests include multimedia computational intelligence, multimedia privacy and security, multimedia big data analytics, and multimedia encryption and watermarking techniques.

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Ying Yang received the B.E. degree in Information Security in 2006 and M.E. degree from the School of Information Science and Engineering, Hunan University, China, in 2009. From September 2009 to February 2013, he pursued his PhD at the school of Engineering and Computing Sciences, Durham University UK. From April 2013 to December 2016, he worked as a postdoctoral associate of the Computer Graphics Group at Yale University. He is currently a software engineer at Microsoft. His research interests include digital watermarking/steganography, steganalysis, social network data analytics and computer graphics in cultural heritage.

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He received the B.S. Degree from Department of Computer Science, National University, P.R. Bangladesh, in 2003, the M.S. degree from Department of Information Science and Engineering, Hunan University, in 2007, and the Ph.D. degree from Department of Information Science and Engineering, Hunan University, in 2016. He is currently a managing director of Future Technologies Co., Ltd., Bangladesh. His research topics include digital watermarking, social media analytics and image processing.

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