

**Title:**

Multimedia Computational Intelligence and Security (MCIS)

Abstract:

Multimedia, as one of the most important and valuable sources for insights and information, is playing a more and more important role in our 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. On the other hand, Multimedia & 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 computational intelligence and security issues.

Scope and Topics:

Potential topics include but are not limited to:

- ✧ Multimedia encryption
- ✧ Multimedia watermarking
- ✧ Multimedia perceptual hashing
- ✧ Multimedia content security in cloud computing
- ✧ Secure feature extraction for multimedia
- ✧ Security and privacy in multimedia social networks
- ✧ Context-aware Computing in multimedia big data
- ✧ Multimedia content understanding
- ✧ Multimedia semantic analysis and data mining
- ✧ Mobile multimedia sharing
- ✧ Social media analytics
- ✧ Intelligent methods in biological/medical image processing
- ✧ Machine learning and computational intelligence for multimedia big data
- ✧ Green computing for multimedia big data

Program Committee Chairs:

YingYang, Amazon Web Service, Washington USA

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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 manager at Amazon Web Services. His research interests include digital watermarking/steganography, steganalysis, social network data analytics and computer graphics in cultural heritage.

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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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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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