Advanced Mathematical Methods in Intelligent Multimedia: Security and Applications

Guest Editors:

Prof. Dr. Ximeng Liu
1. College of Computer and Data Science, Fuzhou 350000, China
2. College of Software, Fuzhou University, Fuzhou 350000, China

Dr. Yinbin Miao
School of Cyber Engineering, Xidian University, Xi'an 710071, China

Dr. Zuobin Ying
Faculty of Data Science, City University of Macau, Macau

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Message from the Guest Editors

The area of intelligent multimedia involves the real-time computer processing and understanding of perceptual input from speech, textual and visual sources. It contrasts with the traditional display of text, voice, sound, and video/graphics with possibly touch and virtual reality linked in. It also contains many applications that can improve automation, machine-to-machine communication, manufacturing oversite, and decision making. However, despite the advantage of intelligent multimedia, it also brings many security and privacy issues such as information confidentiality, data security, and secure communication. Most of the security and privacy issues can be solved with some mathematical cryptology methods. However, the heavyweight cryptosystem still cannot be performed on various types of multimedia, which restricts the applications in intelligent multimedia applications. This Special Issue is interested in inviting and gathering recent advanced mathematical methods in intelligent multimedia computing in security and applications to address these arising challenges and opportunities differently from traditional cloud-based architectures.

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Special Issue

Editor-in-Chief

Prof. Dr. Francisco Chiclana
School of Computer Science and
Informatics, De Montfort
University, The Gateway,
Leicester LE1 9BH, UK

Message from the Editor-in-Chief

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