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- Keywords
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#### Dear Colleagues,

With the rapid development of information technology, multimedia data such as image and video has been widely used in our daily life. Before these multimedia data can be used for multimedia devices, they need to be processed. For example, the raw image/video should be compressed before transiting, while the visual quality of compressed image/video is degraded. In order to increase the visual quality of compressed multimedia data, the quality enhancement operation should be performed. Hence, the multimedia processing methods are quite important for multimedia data application.

Moreover, with the development of internet technology, multimedia data has been widely adopted in multimedia devices, such as video surveillance, webcast, and so on. For multimedia data security, the sensitive multimedia data needs to be protected before transmission. Data encryption is an efficient way to achieve this purpose. Compared with the text and binary data, the multimedia data has huge volume, and requires real-time processing, hence, the efficient video encryption algorithms should be designed for multimedia data security.

This Special Issue in Electronics focuses on the theoretical and practical design issues of multimedia data processing. Our aim is to bring together researchers, industry practitioners, and individuals working on the related areas to share their new ideas, latest findings, and state-of-the-art achievements with others. This will provide readers with a clear understanding of the recent achievements on multimedia data processing.

The topics of interest include, but are not limited to:

- · Advanced algorithm for multimedia data compression
- · Advanced algorithm for multimedia quality enhancement
- · Advanced algorithm for multimedia data quality assessment
- · Advanced image/video super-resolution algorithms
- · Advanced algorithm for image/video analysis and segmentation
- · Advanced algorithm for image/video Interpretation and understanding
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- Advanced multimedia data transmission security algorithms
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   Advanced multimedia data hiding algorithms
- Advanced threat detection algorithms for multimedia broadcasting system
- · Advanced algorithms for multimedia authentication and encryption
- · Advanced algorithms for multimedia data copyright protection
- · Advanced algorithms for multimedia data watermarking
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### Keywords

- Multimedia Processing
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