

Special Issue

Current Trends in Intelligent Multimedia Processing Systems

Eds.: Jerry Chun-Wei Lin, Gautam Srivastava, and Vincent Tseng

Contact: jerrylin@ieee.org, Western Norway University of Applied Sciences, Bergen, Norway

About the Special Issue

In today's world, multimedia processing and analyzing has become very popular in all kinds of information extraction and attracts research interest from both academia and industry. However, multimedia information is hard to encode, interpret and recognize because it is combined with many complex components. Many research areas are related to the overall notion of intelligent multimedia processing, including content understanding and target tracking in multimedia are hotspots in computer vision; multimedia analysis in specific industries such as crime detection, traffic control, social safety, as well as medicine and healthcare are important in each domain; novel network structures such as GAN and RNN of intelligent multimedia processing systems also attracts a high level of attention.

This special issue will provide a systematic overview and state-of-the-art research in the field of intelligent multimedia processing and analyzing system, and will outline new developments in fundamental, theorems, approaches, methodologies, software systems, recommendations, and real-world applications in this area. Papers that involve academic/industrial collaboration are encouraged.

Suggested Topics

Papers are welcomed on the following topics but not confined to:

- Analysing the multimedia data
- Developing the prediction models of multimedia data
- Multimedia pattern analysis
- AIs in intelligent multimedia processing systems
- Contents understanding of multimedia systems
- Multimedia recognition by DL/ML
- Target tracking in multimedia systems
- Privacy and security in multimedia
- Multimedia analysis in different applications (healthcare, traffic control, crime detection, etc.)
- Multimedia enhancements and restorations

Important Dates

30 October 2020

Paper Submission Deadline

31 December 2020

Author notification

28 February 2021

Revised papers submission

30 March 2021

Final Acceptance