IET Image Processing

Call for Papers

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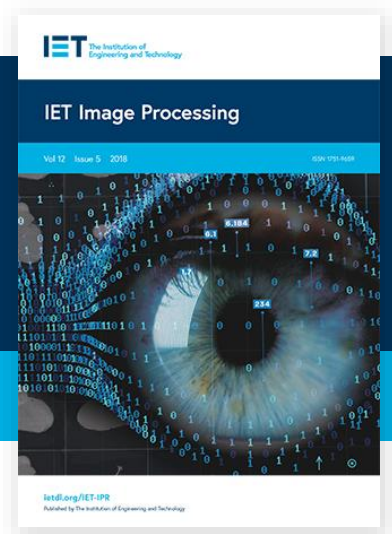
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Special Issue on:
Recent Trends in Multimedia Analytics and Security

Recently information and communication technologies have experienced colossal growth, of which multimedia has been one of the most exciting. Multimedia has expanded beyond its original scope with the advent of social media and large quantities of multimedia data (e.g., images, videos, audio, and computer graphics) that can now be created in a short time frame. When multimedia is stored in a networked environment, it can be connected for viewing, sharing, commenting, and storing. These scenarios have introduced concerns over issues such as identity theft, unauthorized access, and digital rights management. Addressing these concerns has received substantial interest and attention from the research community. One such solution is multimedia data hiding. Multimedia data hiding, defined as imperceptible embedding of information into a multimedia host, provides potential solutions, but with many technological challenges. Some applications include E-health, military, communication, privacy protection, identification, media file archiving, broadcast monitoring, secured E-voting systems, fingerprinting, real time audio/video, robotics, rightful ownership of identity card and digital cinema. This Special Issue will focus on various problems and research opportunities in multimedia security technologies, their innovative applications, and future directions for multimedia security.

Topics of interest include, but are not limited to:

- Emerging trends and applications of multimedia information hiding
- Multimedia Information Security and Digital Rights Management
- Multimedia forensics
- Privacy preservation
- Intelligent Security Techniques for Multimedia Information/data
- Real-time multimedia security
- Security metrics for multimedia data hiding
- Multimedia delivery over open channels
- Electronic security

- Multimedia availability, recovery and auditing
- Security of multimedia information in social media
- Theoretical aspects of multimedia information hiding
- Multimedia Block chain
- Multimedia Security in Distributed and Cloud computing environments
- Emerging privacy and security threats in multimedia
- Deep learning models for multimedia security
- Protection systems against multimedia unauthorized access and identity theft
- Innovative applications of multimedia security, e.g. telemedicine, smart cities, finance, IoT and healthcare

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