

Special Issue

Advances in Multimedia Information System Security

Message from the Guest Editors

This Special Issue seeks original research and review articles addressing security and privacy issues in multimedia information systems, with an emphasis on the role of computer vision as both a threat vector and a defensive tool. Topics of interest include, but are not limited to, the following:

- Medical image segmentation and computer-aided diagnosis for healthcare.
- Multimedia encryption, watermarking, and tamper detection.
- Adversarial attacks and defenses in computer vision models.
- Deepfake generation and detection techniques.
- Privacy-preserving image and video analysis (e.g., federated learning, encrypted inference).
- Secure biometric authentication and facial recognition systems.
- Robust and explainable vision models under attack.
- Lightweight security solutions for embedded and real-time vision systems.
- Blockchain-based provenance and trust management for visual data.
- Security and privacy in augmented reality (AR) and virtual reality (VR).
- Forensics and multimedia content authentication.
- Compliance-aware multimedia handling (e.g., GDPR, HIPAA).
- Case studies and real-world deployments in healthcare, surveillance, IoT, and other domains).

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About the Journal

Message from the Editor-in-Chief

Future Internet is a fast-growing journal devoted to rapid publications of the latest results in the general areas of computer networking/communications and information systems, with a focus on the Internet of Things, big data and augmented intelligence, smart systems (in terms of technologies, architectures, and applications), network virtualization, edge/fog computing, and cybersecurity. Both theoretical and experimental papers are welcome. Every year, *Future Internet* also features Special Issues dedicated to specific topics within the journal's scope.

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