Special Issue

Multimedia Security in the Era of Artificial Intelligence Generated Content

Message from the Guest Editors

The rapid evolution of artificial-intelligence-generated content (AIGC) has ushered in transformative opportunities across various domains, including media production, virtual communication, and creative industries. However, this technological leap also introduces unprecedented challenges in multimedia security, particularly concerning authenticity, trustworthiness, and accountability. The proliferation of deepfakes, synthetic media, and generative-AI-based manipulation tools has raised critical concerns in digital forensics, content verification, and societal trust. This Special Issue aims to gather cutting-edge research addressing the security and forensic challenges posed by AIGC. It seeks to explore novel methodologies, system-level solutions, and theoretical foundations that ensure integrity, traceability, and explainability of multimedia content in this new era.

- AIGC Forensics and Detection
- Security in AIGC Generation
- Attribution, Provenance, and Watermarking
- Explainability and Interpretability
- Datasets, Benchmarks, and Evaluation
- Ethical, Legal, and Societal Implications

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Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guestedited by leading experts in selected topics of interest.

Editor-in-Chief

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