2024 the 10th International Conference on Communication and Information Processing

Lingshui, Hainan, China / November 14-17, 2024

Track 1

Digital Copyright Protection

With the rapid evolution of digital content creation and distribution, ensuring the protection of intellectual property and digital copyrights has become a paramount concern. From traditional media to the emerging landscape of AI-generated content (AIGC), digital assets are increasingly vulnerable to unauthorized usage, manipulation, and distribution. As a result, robust and innovative technologies are critical to safeguarding the integrity and ownership of digital content.

Topics of Interest

- **Digital Watermarking** : Techniques for embedding imperceptible, robust watermarks into digital media for ownership verification and copyright enforcement.
- **Digital Media Forensics** : Advanced forensic methodologies for detecting tampering, tracing content origins, and ensuring media authenticity.
- **AIGC Authentication and Verification** : Emerging methods for authenticating and identifying AI-generated content, combating deepfakes, and preserving the originality of creative works.
- **Media Content Security** : Solutions for securing digital media content from unauthorized access, modification, and distribution across various platforms.
- **Digital Fingerprinting** : Technologies for generating unique identifiers (fingerprints) for digital content to enable precise identification and tracking.
- **Blockchain for Copyright Management** : Utilization of blockchain technology to establish decentralized, transparent, and immutable copyright registration, licensing, and transaction systems.
- **AI-based Copyright Protection** : The application of AI and machine learning to enhance digital rights management systems, monitor unauthorized content usage, and protect intellectual property.

This Special Session seeks to foster collaboration and discussion around these topics, driving innovation in digital copyright protection and ensuring the sustainable future of content creation and distribution in the digital age.

Special Session Organizer(s):

Jie Liu
Beijing University of Posts and Telecommunications

Submissions

Submit method: http://iccip.org/submission.html
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Publication

ICCIP 2024 is to publish latest & high-quality research works on communication and information processing in theoretical and practical aspects. Submitted paper will be peer reviewed by conference committees. The accepted paper will be included into ICCIP 2024 Conference Proceedings, which will be archived in the ACM Digital Library, and indexed by Ei Compendex and Scopus

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Conference Secretary: Ms. Robin Luo
Phone: +86-182-2760-9313
Email: iccip_iccip@young.ac.cn
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