

Call for Papers
Journal of Universal Computer Science
Special Issue on "Multimedia Security in Communication (MUSIC)"

Nowadays, multimedia communication is in close relation with the activities in entertainment, politics, economics, militaries, industries, etc., which makes it urgent for protecting multimedia security, e.g., confidentiality, integrity, ownership or identity. Generally, multimedia security is different from text/binary data security since multimedia content is of large volumes, with interactive operations, and requires real-time responses. Additionally, multimedia security is in close relation with the services. Generally, different services require different methods for transmission or distribution, paying, interaction, etc. Now, various new services arise, such as mobile TV, IPTV, IMS, VoIP, p2p living or download, convergence of mobile and Internet, etc.

This special issue will focus on the research challenges and issues in secure multimedia services. The manuscripts covering the novel algorithms, architectures, implementations and experiences are welcome. The topics include but not limited to:

- Security threats to multimedia content in new services
- Security model for new services
- Lightweight multimedia encryption for services
- Information hiding in multimedia content
- Multimedia forensics
- Secure multimedia adaptation
- Multimedia copy tracking
- Multimedia content authentication
- Multimedia content filtering
- Secure payment for services
- User authentication in services
- Biometric Security
- Intrusion detection/prevention
- Secure set-top box
- Secure Smart Cards
- Secure SIM card
- Secure telecom/broadcast convergence
- Secure mobile/Internet convergence
- Interoperable DRM systems
- Conditional access systems
- Security protocols or standards
- Denial-of-Service (DoS) attacks in multimedia application

Original papers that have not been submitted or published are welcome. Revised version of the paper presented in the 2008 International Workshop on Multimedia Security in Communication (MUSIC'08) (<http://home.simula.no/~yanzhang/MUSIC/>) also invited to this special issue. The revised version must have at least 40% difference from the conference paper.

Submission

The Journal of Universal Computer Science is a high-quality electronic publication that deals with all aspects of computer science. It has been appearing monthly since 1995, and is now indexed by SCI-E, DBLP, CompuScience, etc.

Concerning the preparation of the manuscript, please refer to the "Submission Procedure" page at the journal website, http://www.jucs.org/jucs_info/submissions. Further, the manuscript must be submitted in the form of PDF file to the following addresses: shiguo.lian@orange-ftgroup.com and sglian@gmail.com. The submission must include the title, abstract of your paper, and the corresponding author's name and affiliation. Further, for MUSIC'08 extended papers, the Paper ID must be provided. All papers will be rigorously reviewed based on the quality: originality, high scientific quality, well organized and clearly written, sufficient support for assertions and conclusion.

Important Dates

Manuscript Due: September 25, 2008
Acceptance Notification: December 25, 2008
Final Manuscript Due: January 25, 2009
Publication Date: April 1, 2009

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