2009 International Workshop on Secure Multimedia Communication and Services (SECMCS'09)
November 18–20, 2009, in Wuhan, China
http://liss.whu.edu.cn/mines2009/SECMCS.htm

To be held in conjunction with the 2009 International Conference on Multimedia Information Networking and Security (MINES 2009), on November 18–20, 2009, in Wuhan, China. http://liss.whu.edu.cn/mines2009/

The previous event: 2008 International Workshop on Multimedia Security in Communication (MUSIC'08) http://www.music-com.org/

Introduction

The rapid development of communication techniques allows us to transmit more than text/binary data in real time. While multimedia (image, video, audio, etc.) enriches human's daily life, its prosperity also attract malicious attackers and abusers with different motivations, such as political reasons, illegal financial benefits, or simply to win a prestige reputation in a hacker community. Nowadays, multimedia communication plays an important role in multiple areas in human society including entertainment, politics, economics, militaries, industries, etc. It is urgent to secure multimedia data by providing confidentiality, integrity, and ownership or identity. In the past decade, multimedia security has been a hot topic in the security research community. Various solutions have been reported, which address problems including data encryption, multimedia authentication, digital rights management (DRM), etc.

However, due to some characteristics of multimedia content, such as large data volumes, interactive operations, and requires real-time responses, the problems multimedia security need to address are different from text/binary data security. Furthermore, multimedia security is highly services-dependable. Different services require different methods for content transmission or distribution, paying, interaction, etc. Particularly, new services have been emerging and new techniques are appearing, such as mobile TV, IPTV, IMS, VoIP, P2P living or download, convergence of mobile and Internet, etc. For instance, in mobile TV, the terminal's power should be considered when designing security functions; in P2P living, the requirement in a distributed architecture is different from the server-client mode. Additionally, multimedia content filtering should be considered to clean up the service system. Under the environment of network convergence, the smart means adaptive to different networks are expected. This workshop aims to bring together research work in the area of secure multimedia communication, investigate the novel solutions for secure multimedia services, and discuss the future trends for multimedia security in new services.

Topics

This workshop covers various aspects of secure multimedia communication in emerging services. The services may work in the following environment: Internet, mobile TV, IPTV, IMS, VoIP, P2P, sensor network, network convergence, etc. The paper may focus on architecture construction, algorithm designing or hardware implementation. Both review paper and technical paper are expected. The topics include but are not limited to:

- Lightweight multimedia encryption
- Secure multimedia adaptation
- Multimedia content authentication
- Sensitive content detection/filtering based on multimedia analysis
- Security threats or model for multimedia services
- Conditional Access and Digital Rights Management
- Key management/distribution in multimedia services
- Secure payment for multimedia services
- Secure user interface in multimedia services
- Secure telecom/broadcast convergence
- Secure mobile/Internet convergence
- Security in 3G/4G multimedia communication networks
- Security and privacy in multimedia sensor networks
- Security protocols or standards for multimedia communication
- Secure devices (set-top box, Smart Cards, SIM card, MID, etc.)
- Intrusion detection/prevention in multimedia systems
- Denial-of-Service (DoS) attacks in multimedia applications

Submission

The papers will be published by **IEEE Computer Society Press,** available in the conference. All published papers will be included in the **IEEE Xplore** database and indexed by well-known databases.

Submission page: http://www.easychair.org/conferences/?conf=mines2009 （Workshop3: SECMCS'09）

All papers must be written in English. A paper should not exceed 5 pages (two columns IEEE format), including figures and references with 10-12 point font. The submission should be done according to the guidelines on http://liss.whu.edu.cn/mines2009/. The revised or extended versions of the accepted and presented papers will be invited to the following International Journals:

Multimedia Tools and Applications
Journal of Internet Technology
Electronic Commerce Research

Important Dates
Submission deadline: June 15, 2009
Notification date: July 20, 2009
Camera-ready due: July 31, 2009
Workshop dates: November 18-20, 2009

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