

# Call For Chapter: Multimedia Forensics and Security

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- *From:* [user@xxxxxxxxxxxxxxxx](mailto:user@xxxxxxxxxxxxxxxx)
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Title: Multimedia Forensics and Security

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Proposal deadline: 31 october, 2006

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## Introduction to the subject area

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As rapid and tremendous progress in information technology is constantly being made, and, while an enormous amount of media such as text, audio, speech, music, image and video can be easily exchanged through the Internet and other communication networks, information security issues such as copyright protection, integrity verification, authentication, and access control have become exceptionally acute. As a result, the subjects of information hiding for multimedia forensics and security have been taken as one of the top research and development agendas for researchers, organisations and governments worldwide.

## The Overall Objective of the Book

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The proposed book aims to create a collection of quality chapters on information hiding for multimedia forensics and security contributed by leading experts in the related fields. It will embrace a wide variety of aspects of the related subject areas and provide a scientifically and scholarly sound treatment of state-of-the-art techniques to students, researchers, academics, personnel of law enforcement and IT/multimedia practitioners who are interested or involved in the study, research, use, design and development of techniques related to multimedia forensics and security.

## The Target Audience

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The book is targeting students, academics, researchers and industrial practitioners of the related areas, E-commerce professionals, IT

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personnel of institutions and governments, and lawyers and law enforcement personnel.

Recommended topics include, but are not limited to, the following:

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- Digital rights management
- Digital watermarking
- Fingerprinting / transaction tracking of multimedia
- Steganography and steganalysis
- Integrity verification and authentication
- Information hiding and media annotation
- Tampering and attacks on original information
- Quality metrics and benchmarking
- Cryptography and related techniques
- System design and implementation
- Signal processing for forensic analysis
- Technical analysis of system vulnerabilities
- Content identification and secure content delivery
- Applications of information hiding in law enforcement, medicine, military, and E-commerce

### Submission Procedure

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Prospective authors are invited to submit on or before October 31, 2006, a 2–5 page chapter proposal clearly explaining the mission and concerns of the proposed chapter. Authors of accepted proposals will be notified by November 30 and sent chapter organisation guidelines. Full chapters of 5000–7500 words are due by March 31, 2007. All submitted full chapters will be reviewed on a double-blind review basis. The book is scheduled to be published by Idea Group Inc., [www.idea-group.com](http://www.idea-group.com), publisher of the Idea Group Publishing, Information Science Publishing, IRM Press, CyberTech Publishing and Idea Group Reference imprints.

Inquiries and submissions can be forwarded by email to:

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