DESCRIPTION

Digital forensics and multimedia forensics are rapidly growing disciplines whereby electronic information is extracted and interpreted for use in a court of law. These two fields are finding increasing importance in law enforcement and the investigation of cybercrime as the ubiquity of personal computing and the internet becomes ever-more apparent. Digital forensics involves investigating computer systems and digital artefacts in general, while multimedia forensics is a sub-topic of digital forensics focusing on evidence extracted from both normal computer systems and special multimedia devices, such as digital cameras.

This book focuses on the interface between digital forensics and multimedia forensics, bringing two closely related fields of forensic expertise together to identify and understand the current state-of-the-art in digital forensic investigation. Both fields are expertly attended to by contributions from researchers and forensic practitioners specializing in diverse topics such as forensic authentication, forensic triage, forensic photogrammetry, biometric forensics, multimedia device identification, and image forgery detection among many others.

Key features:

• Brings digital and multimedia forensics together with contributions from academia, law enforcement, and the digital forensics industry for extensive coverage of all the major aspects of digital forensics of multimedia data and devices

• Provides comprehensive and authoritative coverage of digital forensics of multimedia data and devices
• Offers not only explanations of techniques but also real-world and simulated case studies to illustrate how digital and multimedia forensics techniques work

• Includes a companion website hosting continually updated supplementary materials ranging from extended and updated coverage of standards to best practice guides, test datasets and more case studies

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**ABOUT THE AUTHOR**

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Prof. Ho holds the Personal Chair in Multimedia Security and is currently the Head of the Department of Computing at the University of Surrey. He is a Fellow of the Institution of Engineering and Technology (FIET), a Chartered Electrical Engineer (CEng), Fellow of British Computer Society (FBCS) and a Senior Member of IEEE. He was the recipient of the IET Innovation in Engineering Award (2006) for his research and commercialisation work on digital watermarking in 2006. Prof. Ho is a member of the IEEE Signal Processing Society Technical Community on Information Forensics and Security. He is the editor-in-chief of the international journal Information Security Technical Reports, which covers digital forensics as one of its key topics. He is also the co-editor-in-chief of International Journal of Digital Crime and Forensics which publishes research papers on both digital and multimedia forensics.

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Dr. Li is a Senior Lecturer in the Department of Computing at the University of Surrey. Dr Li received his PhD degree in Information and Communication Engineering in 2003 from Xi’an Jiaotong University, China. He has published more than 70 scientific papers at various international journals and conferences. Dr. Li is on the editorial board of Information Security Technical Reports. He is a Senior Member of the IEEE and a Professional Member of the ACM. He is a member of the IEEE Communications Society Technical Committee on Multimedia Communications and of the IEEE Circuits and Systems Society Technical Committee on Nonlinear Circuits & Systems. He is an active contributor to the ISO/IEC RVC standard as a member of the MPEG.

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