

Computational Forensics

Second International Workshop, IWCF 2008, Washington, DC, USA, August 7-8, 2008, Proceedings

This Lecture Notes in Computer Science (LNCS) volume contains the papers presented at the Second International Workshop on Computational Forensics (IWCF 2008), held August 7–8, 2008. It was a great honor for the organizers to host this scientific event at the renowned National Academy of Sciences: Keck Center in Washington, DC, USA. Computational Forensics is an emerging research domain focusing on the investigation of forensic problems using computational methods. Its primary goal is the discovery and advancement of forensic knowledge involving modeling, computer simulation, and computer-based analysis and recognition in studying and solving forensic problems. The Computational Forensics workshop series is intended as a forum for researchers and practitioners in all areas of computational and forensic sciences. This forum discusses current challenges in computer-assisted forensic investigations and presents recent progress and advances. IWCF addresses a broad spectrum of forensic disciplines that use computer tools for criminal investigation. This year's edition covers presentations on computational methods for individuality studies, computer-based 3D processing and analysis of skulls and human bodies, shoe print preprocessing and analysis, natural language analysis and information retrieval to support law enforcement, analysis and group visualization of speech recordings, scanner and print device forensics, and computer-based questioned document and signature analysis.

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53,49 €

49,99 € (zzgl. MwSt.)

Lieferfrist: bis zu 10 Tage

Artikelnummer: 9783540853022

Medium: Buch

ISBN: 978-3-540-85302-2

Verlag: Springer

Erscheinungstermin: 04.08.2008

Sprache(n): Englisch

Auflage: Erscheinungsjahr 2008

Serie: Image Processing, Computer Vision, Pattern Recognition, and Graphics

Produktform: Kartoniert

Gewicht: 376 g

Seiten: 229

Format (B x H): 155 x 235 mm

