

1. Record Nr.	UNINA9910483473703321
Titolo	Computational Forensics : Second International Workshop, IWCF 2008, Washington, DC, USA, August 7-8, 2008, Proceedings // edited by Sargur N. Srihari, Katrin Franke
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2008
ISBN	3-540-85303-0
Edizione	[1st ed. 2008.]
Descrizione fisica	1 online resource (IX, 229 p.)
Collana	Image Processing, Computer Vision, Pattern Recognition, and Graphics, , 3004-9954 ; ; 5158
Disciplina	570.15195
Soggetti	<p>Pattern recognition systems</p> <p>Biometric identification</p> <p>Data mining</p> <p>Computer vision</p> <p>Image processing - Digital techniques</p> <p>Natural language processing (Computer science)</p> <p>Automated Pattern Recognition</p> <p>Biometrics</p> <p>Data Mining and Knowledge Discovery</p> <p>Computer Vision</p> <p>Computer Imaging, Vision, Pattern Recognition and Graphics</p> <p>Natural Language Processing (NLP)</p>
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	<p>Trends and Challenges -- Computational Forensics: An Overview -- Computational Methods for Determining Individuality -- Scanner, Printer, and Prints -- Survey of Scanner and Printer Forensics at Purdue University -- Evaluation of Graylevel-Features for Printing Technique Classification in High-Throughput Document Management Systems -- Document Signature Using Intrinsic Features for Counterfeit Detection -- Human Identification -- Automatic Feature Extraction from 3D Range Images of Skulls -- 3D Processing and Visualization of Scanned Forensic Data -- Person Identification Based on Barefoot 3D Sole Shape</p>

-- Shoeprints -- Computerized Matching of Shoeprints Based on Sole Pattern -- Shoe-Print Extraction from Latent Images Using CRF -- Linguistics -- Finding Identity Group "Fingerprints" in Documents -- Supporting Law Enforcement in Digital Communities through Natural Language Analysis -- An Intelligent System for Semantic Information Retrieval Information from Textual Web Documents -- Decision Making and Search -- Support of Interviewing Techniques in Physical Access Control Systems -- Application of q-Gram Distance in Digital Forensic Search -- Speech Analysis -- Similarity Visualization for the Grouping of Forensic Speech Recordings -- Handwritten Signature and Speech: Preliminary Experiments on Multiple Source and Classifiers for Personal Identity Verification -- Signatures and Handwriting -- Signature Verification Using a Bayesian Approach -- Stroke-Morphology Analysis Using Super-Imposed Writing Movements -- Invariants Discretization for Individuality Representation in Handwritten Authorship.

Sommario/riassunto

This book constitutes the refereed proceedings of the Second International Workshop, IWCF 2008, held in Washington, DC, USA, August 2008. The 19 revised full papers presented were carefully reviewed and selected from 39 submissions. The papers are organized in topical sections on trends and challenges; scanner, printer, and prints; human identification; shoeprints; linguistics; decision making and search; speech analysis; signatures and handwriting.
