1. Record Nr. UNINA9910824944903321 Autore Harralson Heidi H. **Titolo** Developments in handwriting and signature identification in the digital age / / Heidi H. Harralson; series editor, Larry S. Miller London;; New York:,: Routledge,, 2015 Pubbl/distr/stampa **ISBN** 1-317-52287-7 1-315-72173-2 1-317-52288-5 1-283-74260-8 1-4557-3156-0 Edizione [1st ed.] Descrizione fisica 1 online resource (149 p.) Forensic studies for criminal justice Collana Altri autori (Persone) MillerLarry <1953 August 26-> Disciplina 363.2565 155.282 Soggetti Writing - Identification Graphology Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia First published 2013 by Anderson Publishing. Note generali Nota di bibliografia Includes bibliographical references. Nota di contenuto Front Cover; Developments in Handwriting and Signature Identification in the Digital Age; Copyright Page; Table of Contents; Preface; 1 Introduction: 1.1 Key Concepts in Forensic Handwriting Examination: 1.2 Forgery and Simulation; 2 The Decline of Handwriting; 2.1 The Need for Handwriting Instruction; 2.2 The Importance of Handwriting; 2.3 Handwriting Instruction Methods; 2.4 Influence of Learning Disabilities on Handwriting: 2.5 Forensic Problems with Illegible and Printed Handwriting; 2.6 Summary; 3 Advances in Handwriting Research and Technology: 3.1 Handwriting and Movement Disorders 3.2 Handwriting and Psychiatric Disorders 3.3 Other Factors Influencing Handwriting; 3.4 Handwriting and Simulation; 3.5 Handwriting and Disguise; 3.6 Handwriting and Neuro-technology; 3.7 Summary; 4 Digital and Electronic Handwriting; 4.1 The Electronic Signature Act; 4.2 Applications for Electronic Signatures; 4.3 Security and Privacy Issues; 4.4 Digital Technology: 4.5 Digital and Electronic Signatures: 4.6

Digitization of Signatures: Optical Scanning and Facsimile; 4.7 Digital

Tablets; 4.8 The Stylus and Other Writing "Instruments"; 4.9

Handwriting Recognition Technology

4.10 Automated Forensic Handwriting Analysis Technology4.11 Standardization; 4.12 Summary; 5 Forensic Analysis of Electronic Signatures; 5.1 Practical Application; 5.2 E-signature Signing Process and Standardization; 5.3 Technological Considerations; 5.4 Evaluating Static and Dynamic Handwriting Features; 5.5 Forgery and System Attacks; 5.6 Limitations; 5.7 Legal Implications; 5.8 Proposed Methodology; 5.9 Summary; 6 The Law, Science, and Handwriting Identification; 6.1 Forensic Science Reform; 6.2 A Critical Review of Forensic Handwriting Examination

6.3 Status of Forensic Handwriting Identification 6.4 Education and Training; 6.5 Certification and Laboratory Accreditation; 6.6 Proficiency Testing; 6.7 Scientific Validity and Reliability; 6.8 Terminology and Methodology; 6.9 Advances in Handwriting Identification Technology; 6.10 Legal Challenges to Scientific Admissibility; 6.11 Summary; Glossary; References

## Sommario/riassunto

The examination of handwriting and signatures has a long and established history as a forensic discipline. With the advancement of technology in the use of digital tablets for signature capture, changes in handwriting examination are necessary. Other changes in handwriting, such as in increase in printed writing styles and the decrease in handwriting training in schools necessitates a reexamination of forensic handwriting identification problems. This text takes a fresh and modern look at handwriting examination as it pertains to forensic, legal, and criminal justice applications.