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   Sommario/riassunto   Advances in Digital Forensics XX Edited by: Elizabeth Kurkowski and
                        Sujeet Shenoi Digital forensics deals with the acquisition, preservation,
                        examination, analysis and presentation of electronic evidence.
                        Computer networks, cloud computing, smartphones, embedded
                        devices and the Internet of Things have expanded the role of digital
                        forensics beyond traditional computer crime investigations. Practically
                        every crime now involves some aspect of digital evidence; digital
                        forensics provides the techniques and tools to articulate this evidence
                        in legal proceedings. Digital forensics also has myriad intelligence
                        applications; furthermore, it has a vital role in cyber security –
                        investigations of security breaches yield valuable information that can
                        be used to design more secure and resilient systems. Advances in
                        Digital Forensics XX describes original research results and innovative

applications in the discipline of digital forensics. In addition, it highlights some of the major technical and legal issues related to digital evidence and electronic crime investigations. The areas of coverage include: Themes and Issues Mobile Device Forensics Image and Video Forensics Internet of Things Forensics Malware Forensics Filesystem Forensics Forensic Investigations This book is the twentieth volume in the annual series produced by the International Federation for Information Processing (IFIP) Working Group 11.9 on Digital Forensics, an international community of scientists, engineers and practitioners dedicated to advancing the state of the art of research and practice in digital forensics. The book contains a selection of fifteen edited papers from the Twentieth Annual IFIP WG 11.9 International Conference on Digital Forensics, held in New Delhi, India in the winter of 2024. Advances in Digital Forensics XX is an important resource for researchers, faculty members and graduate students, as well as for practitioners and individuals engaged in research and development efforts for the law enforcement and intelligence communities. Elizabeth Kurkowski is a Senior Reverse Engineer at Johns Hopkins University Applied Physics Laboratory, Laurel, Maryland, USA. Sujeet Shenoi is the F.P. Walter Professor of Computer Science and a Professor of Chemical Engineering at the University of Tulsa, Tulsa, Oklahoma, USA.