Mobile Network Forensics: Emerging Research and Opportunities

Part of the Advances in Digital Crime, Forensics, and Cyber Terrorism Book Series
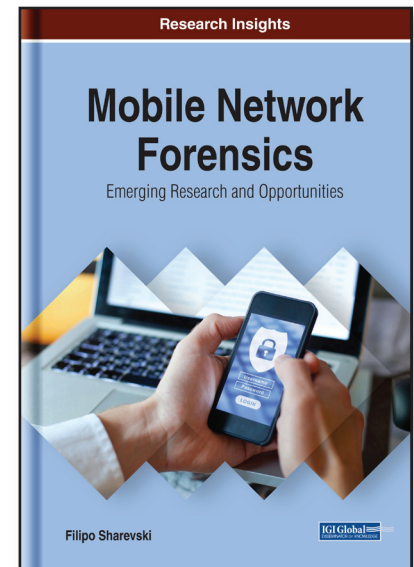
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Description:

Modern communications are now more than ever heavily dependent on mobile networks, creating the potential for higher incidents of sophisticated crimes, terrorism acts, and high impact cyber security breaches. Disrupting these unlawful actions requires a number of digital forensic principles and a comprehensive investigation process.

Mobile Network Forensics: Emerging Research and Opportunities is an essential reference source that discusses investigative trends in mobile devices and the internet of things, examining malicious mobile network traffic and traffic irregularities, as well as software-defined mobile network backbones. Featuring research on topics such as lawful interception, system architecture, and networking environments, this book is ideally designed for forensic practitioners, government officials, IT consultants, cybersecurity analysts, researchers, professionals, academicians, and students seeking coverage on the technical and legal aspects of conducting investigations in the mobile networking environment.

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Topics Covered:

- Anti-Forensics
- Global System for Mobile
- Investigation Process
- Lawful Interception
- Mobile Users
- Network Security
- Networking Environments
- Security Considerations
- System Architecture
- Technical Requirements
- Universal Mobile Terrestrial System

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