DESCRIPTION

The Journal of Digital Investigation covers cutting edge developments in digital forensics and incident response from around the globe. This widely referenced publication helps digital investigators remain current on new technologies, useful tools, relevant research, investigative techniques, and methods for handling security breaches. Practitioners in corporate, criminal, and military settings use this journal to share their knowledge and experiences, including current challenges and lessons learned in the following areas:

Peer-reviewed research: New approaches to dealing with challenges in digital investigations, including applied research into analyzing specific technologies, and application of computer science and forensic science to address problems encountered in digital forensics and incident response.

Practitioner reports: Investigative case studies and reports describing how practitioners are dealing with emerging challenges in the field, including improved methods for conducting effective digital investigations, performing forensic analysis, and responding to incidents.

Survey papers: Discussion of current methods and future needs relevant to the digital forensics and incident response, including analysing media, memory, malware, mobile phones, and telecommunication systems.

Tool reviews: Evaluation and comparison of open source and commercial software used in digital forensics and incident response, deepening our understanding of specific tools, and highlight any needed enhancements.

Legal analysis and updates: Expert comment on recent cases involving digital forensics, relevant legal developments, and legislative limitations.

Topics of interest include:

Digital Forensics

Advances in preservation of digital evidence; Investigating criminal activity involving computers; Forensic analysis of new technology; Microsoft Windows and Apple Macintosh artifacts; Mobile device acquisition, artifacts, and analysis; Utilizing digital evidence in an investigation; The role of law enforcement in digital investigations; Standards, policy and ethics; Digital forensics applied to cloud computing environments; Machine learning applied to digital forensics; Data mining and pattern recognition (computational forensics); Video/Imaging technology and analysis; Certification, qualifications and education of forensic examiners.

Incident Response. Managing rapid emergency response
Intrusion investigation; Case management issues with large data quantities; Volatile data analysis; Malware analysis; Network traffic and log analysis; Incident response involving cloud computing environments; Data mining and pattern recognition applied to intrusion investigation; Threat intelligence; Digital investigators relating to lawyers and regular investigators; Certification, qualifications and education of incident responders.

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INTRODUCTION

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- A platform for pioneering peer-reviewed research papers
- Best-practice reports from the real experiences of investigators and lawyers
- New developments in the field of digital forensic science
- The latest proven methodologies being applied by the community

The journal brings together the growing global community interested in digital forensics, encompassing law enforcement, research, corporate information security, legal professionals and government.

*Types of Paper*

Original submissions on all digital forensic topics are welcomed, especially those of practical benefit to the investigator.

Papers are welcomed from the following categories:

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