



DIGITAL INVESTIGATION

The International Journal of Digital Forensics & Incident Response

AUTHOR INFORMATION PACK

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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 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
- Vista artifacts
- Utilizing digital evidence in an investigation
- The role of law enforcement in digital investigations
- Standards, policy and ethics
- 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
- Digital

investigators relating to lawyers and regular investigators • Certification, qualifications and education of incident responders

AUDIENCE

Digital Investigation will be essential reading for: Auditors, Information Security Officers, Forensic Accountants, Information Systems Managers, Independent Investigators, Lawyers, Fraud Examiners, Law Enforcement Officials, Systems and Data Security Analysts.

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GUIDE FOR AUTHORS

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:

Research:

Theoretical - Discovery and experimentation of digital forensic principles.

Applied - Tailoring of "agreed upon" principles into procedures that can be easily implemented for conducting network, computer and software forensics, to build a corroborated chain of evidence.

Practice:

Methods and tools for conducting effective digital investigations

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