

Journal of Digital Forensics, **Security and Law**

Volume 8 Article 6

2013

Front Matter

Follow this and additional works at: https://commons.erau.edu/jdfsl



Part of the Computer Law Commons, and the Information Security Commons

Recommended Citation

(2013) "Front Matter," Journal of Digital Forensics, Security and Law. Vol. 8, Article 6.

DOI: https://doi.org/10.58940/1558-7223.1331

Available at: https://commons.erau.edu/jdfsl/vol8/iss3/6

This Front Matter/Back Matter is brought to you for free and open access by the Journals at Scholarly Commons. It has been accepted for inclusion in Journal of Digital Forensics, Security and Law by an authorized administrator of Scholarly Commons. For more information, please contact commons@erau.edu.





JDFSL The Journal of Digital Forensics, Security and Law



Volume 8, Number 3 2013



The Journal of Digital Forensics, Security and Law

Volume 8, Number 3 (2013) Editorial Board

Editor-in-Chief Gregg Gunsch Defiance College Ohio, USA Associate Editor-in-Chief Jigang Liu

Metropolitan State University Minnesota, USA

Section Editors

Digital Forensics John Riley Bloomsburg University Pennsylvania, USA

Scott Inch Bloomsburg University Pennsylvania, USA

Cyber Law Erin Kenneally Univ. of California San Diego California, USA

Nigel Wilson The University of Adelaide South Australia, Australia

Information Security
David Dampier

Mississippi State University Mississippi, USA

Daniel P. Manson Cal Poly Pomona California, USA

Denise Pheils Indiana Tech Indiana, USA

Science of Digital Forensics

Fred Cohen

California Sciences Institute California, USA

,

Simson Garfinkel Naval Postgraduate School

California, USA

Book Review Diane Barrett

University of Advanced Technology Arizona, USA

Technology Corner

Nick V. Flor University of New Mexico New Mexico, USA

Regional Editors

Australia Craig Valli

Edith Cowan University Western Australia, Australia

Europe/UK Denis Edgar-Neville

Canterbury Christ Church Univ. Canterbury, UK

Latin America

Pedro Luís Próspero Sanchez University of Sao Paulo Sao Paulo, Brazil

Mid-East and Africa Andrew Jones

Khalifa Univ of Science, Technology & Research Sharjah, United Arab Emirates

Mid-East/Israel
Eli Weintraub
Afeka Tel Aviv Academic Co

Afeka Tel Aviv Academic College of Engineering Tel Aviv, Israel

Assistant Copy Editor Alexandra K. Greene Longwood University

Editorial Board

John W. Bagby The Pennsylvania State Univ.

Pennsylvania, USA Ibrahim Baggili

Zayed University
Abu Dhabi, United Arab Emirates

David P. Biros Oklahoma State University Oklahoma, USA

Philip Craiger Daytona State College Florida, USA

Glenn S. Dardick Longwood University Virginia, USA

Fred C. Kerr Consultant California, USA

Wuhan, China

Linda K. Lau Longwood University Virginia, USA

Wei Ren Chinese Univ. of Geosciences

Jill Slay University of South Australia South Australia, Australia

Il-Yeol Song Drexel University Pennsylvania, USA Bernd Carsten Stahl

De Montfort University Leicester, UK

Copyright © 2013 ADFSL, the Association of Digital Forensics, Security and Law. Permission to make digital or printed copies of all or any part of this journal is granted without fee for personal or classroom use only and provided that such copies are not made or distributed for profit or commercial use. All copies must be accompanied by this copyright notice and a full citation. Permission from the editor is required to make digital or printed copies of all or any part of this journal for profit or commercial use. Permission requests should be sent to Editor, JDFSL, 1642 Horsepen Hills Road, Maidens, Virginia 23102, or emailed to editor@idfsl.org.

ISSN 1558-7215

Call for Papers

The *Journal of Digital Forensics*, *Security and Law* has an open call for papers in, or related to, the following subject areas:

- 1) Digital Forensics Curriculum
- 2) Cyber Law Curriculum
- 3) Information Assurance Curriculum
- 4) Digital Forensics Teaching Methods
- 5) Cyber Law Teaching Methods
- 6) Information Assurance Teaching Methods

- 7) Digital Forensics Case Studies
- 8) Cyber Law Case Studies
- 9) Information Assurance Case Studies
- 10) Digital Forensics and Information Technology
- 11) Law and Information Technology
- 12) Information Assurance and Information Technology

Guide for Submission of Manuscripts

Manuscripts should be submitted through the *JDFSL* online system in Word format using the following link: http://www.jdfsl.org/submission.asp. If the paper has been presented previously at a conference or other professional meeting, this fact, the date, and the sponsoring organization should be given in a footnote on the first page. Articles published in or under consideration for other journals should not be submitted. Enhanced versions of book chapters can be considered. Authors need to seek permission from the book publishers for such publications. Papers awaiting presentation or already presented at conferences must be significantly revised (ideally, taking advantage of feedback received at the conference) in order to receive any consideration. Funding sources should be acknowledged in the *Acknowledgements* section.

The copyright of all material published in *JDFSL* is held by the Association of Digital Forensics, Security and Law (ADFSL). The author must complete and return the copyright agreement before publication. The copyright agreement may be found at http://www.jdfsl.org/copyrighttransfer.pdf.

Additional information regarding the format of submissions may be found on the *JDFSL* Web site at http://www.jdfsl.org/authorinstructions.htm.

Contents

Call for Papers	2
Guide for Submission of Manuscripts	2
From the Editor-in-Chief	5
Risk Management of Email and Internet Use in the Workplace John Ruhnka, and Windham E. Loopesko	7
Technology Corner: Trends in Android Malware Detection Kaveh Shaerpour, Ali Dehghantanha, and Ramlan Mahmod	21
Money Laundering Detection Framework to Link the Disparate and Evolving Schemes	41
System-Generated Digital Forensic Evidence in Graphic Design Applications Enos Mabuto, and Hein Venter	71
Book Review: Professional Penetration Testing: Creating and Learning in a Hacking Lab 2E (Thomas Wilhelm)	87
Subscription Information	91
Announcements and Job Postings	93

Journal of Digital Forensics, Security and Law, Vol. 8(3)

From the Editor-in-Chief

Welcome to the third issue of Volume 8. I hope that during the winter holiday season you'll find time to slow down, relax, and take in a few of these interesting articles.

In the first article, professors Ruhnka and Loopesko describe the types of liabilities that corporations can incur from the electronic communications of its employees. Few effective defenses exist to shield companies from legal liability for employee email misuse or intentional abuse, even when the liability-creating communication was specifically prohibited. In their paper, *Risk Management of Email and Internet Use in the Workplace*, the authors present an alternative approach to risk management, focusing on controlling only those potential risks relevant to an organization's specific activities.

In this issue's Technology Corner, the paper titled *Trends in Android Malware Detection*, written by Shaerpour, Dehghantanha, and Mahmod, describes the current state of malicious software detection on the popular Android operating system for mobile devices. The cat-and-mouse game between malware authors and defenders is gaining traction in the Android, and should sound familiar since trouble-makers generally follow the users and their money.

Money-laundering detection requires unraveling concealed connections among multiple, but seemingly unrelated, human money-laundering networks; ties among actors in sophisticated schemes; and amounts of funds transferred among the participating entities. In the third article, Mehmet and Buchholtz present their approach to detecting money-laundering schemes in *Money Laundering Detection Framework to Link the Disparate and Evolving Schemes*.

In the fourth paper, *System-Generated Digital Forensic Evidence in Graphic Design Applications* by Mabuto and Venter, the authors explore the kinds of digital footprints left by graphic design software, specifically when used for counterfeiting documents. They demonstrate that interesting and useful forensic evidence may be found in the artifacts left by the software during document scanning, editing, and saving of the new counterfeit.

The final article is a very thorough review by Joshua Bartolomie of the book, *Professional Penetration Testing: Creating and Learning in a Hacking Lab 2E*, written by Thomas Wilhelm.

Over the next few months we will be recruiting section editors and article reviewers, and providing online training in those functions. Please consider your role in keeping the journal a fitting resource for our diverse academic and

Journal of Digital Forensics, Security and Law, Vol. 8(3)

professional audiences. Self-nominations are welcome. Targeted recruiting may follow if needed.

Gregg Gunsch, Ph.D., PE, CISSP, GCFA, CCE, DFCP ggunsch@jdfsl.org