

THE JOURNAL OF DIGITAL FORENSICS, SECURITY AND LAW

Journal of Digital Forensics, Security and Law

Volume 11 | Number 2

Article 12

2016

Front Matter

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

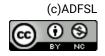
Part of the Computer Law Commons, and the Information Security Commons

Recommended Citation

(2016) "Front Matter," *Journal of Digital Forensics, Security and Law*. Vol. 11 : No. 2 , Article 12. Available at: https://commons.erau.edu/jdfsl/vol11/iss2/12

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.









Volume 11, Number 2 2016



The Journal of Digital Forensics, Security and Law

Volume 11, Number 2 (2016) Editorial Board

Editor-in-Chief Glenn S. Dardick, PhD, CCE, CCFP ADFSL Florida, USA

Frank Adelstein, PhD Cayuga Networks New York, USA

John W. Bagby, JD The Pennsylvania State University Pennsylvania, USA

Ibrahim (Abe) Baggili, PhD University of New Haven Connecticut, USA

David P. Biros, PhD Oklahoma State University Oklahoma, USA

Frank Breitinger University of New Haven Connecticut, USA

Raymond Choo, PhD University of South Australia South Australia, Australia

Kam Pui (KP) Chow, PhD University of Hong Kong Hong Kong, China

Fred Cohen, PhD, CEO Management Analytics California, USA

Philip Craiger, PhD, CISSP, CCFP Daytona State College Florida, USA

David Dampier, PhD Mississippi State University Mississippi, USA

Barbara Endicott-Popovsky, PhD University of Washington Washington, USA

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

Virginia N. L. Franqueira, PhD University of Derby United Kingdom Simson Garfinkel, PhD NIST Maryland, USA

Pavel Gladyshev, PhD University College Dublin Ireland

Sanjay Goel University at Albany State University of New York New York, USA

Joshua James, PhD Soonchunhyang University South Korea

Andy Jones, PhD University of South Wales UK

Erin Kenneally, MFS, JD Elchemy, Inc. University of California San Diego California, USA

Gary C. Kessler, PhD, CCE, CCFP, CISSP Embry-Riddle Aeronautical University Florida, USA

Jigang Liu, PhD Metropolitan State University Minnesota, USA

Michael M. Losavio, JD University of Louisville Kentucky, USA

Andrew Marrington, PhD Zayed University UAE

Martin Oliver, PhD, CCFP University of Pretoria South Africa

Richard Overill, PhD, FBCS King's College London United Kingdom

Denise Pheils, PhD, CISSP, PMP Texas A&M Texas, USA Associate Editor-in-Chief

Diane Barrett, PhD, CISSP Bloomsburg University Pennsylvania, USA

> John Riley, PhD Bloomsburg University Pennsylvania, USA

Marcus K. Rogers, PhD, CISSP Purdue University Indiana, USA

Vassil Roussev, PhD University of New Orleans Louisiana, USA

Neil Rowe, PhD U.S. Naval Postgraduate School California, USA

Mark Scanlon, PhD University College Dublin Dublin, Ireland

Kathryn C. Seigfried-Spellar, PhD The University of Alabama Alabama, USA

Il-Yeol Song, PhD ACM Distinguished Scientist Drexel University Pennsylvania, USA

Bernd Carsten Stahl, PhD De Montfort University Leicester, UK

Craig Valli, DIT Edith Cowan University Western Australia, Australia

Eli Weintraub, PhD, CISA Afeka Tel Aviv Academic College of Engineering Israel

Nigel Wilson The University of Adelaide South Australia, Australia

Copyright © 2016 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, 4350 Candlewood Lane, Ponce Inlet, FL 32127, or emailed to editor@jdfsl.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: <u>http://www.jdfsl.org/for-authors</u>. 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 <u>http://www.jdfsl.org/for-authors</u>.

Additional information regarding the format of submissions may be found on the *JDFSL* Web site at <u>http://www.jdfsl.org/for-authors</u>.

JDFSL Journal of Digital Forensics, Security and Law

Contents

Call for Papers
Guide for Submission of Manuscripts2
From the Special Issue Editors
Exploring Deviant Hacker Networks (DHN) On Social Media Platforms
Security Analysis of mvHash-B Similarity Hashing
Log Analysis Using Temporal Logic and Reconstruction Approach: Web Server Case 35 Murat Gunestas and Zeki Bilgin
Bytewise Approximate Matching: The Good, the Bad, and the Unknown
On Efficiency of Distributed Password Recovery
Towards Syntactic Approximate Matching – A Pre-Processing Experiment
Countering Noise-Based Splicing Detection Using Noise Density Transfer
Electronic Voting Service Using Block-chain
An Automated Approach for Digital Forensic Analysis of Heterogeneous Big Data 137 Hussam Mohammed, Nathan Clarke and Fudong Li
Making Sense of Email Addresses on Drives
Verification of Recovered Digital Evidence on the Amazon Kindle
Subscription Information

Special Issue on the International Conference of Digital Forensics & Cyber Crime



FROM THE SPECIAL ISSUE EDITORS

Dear Delegates,

It is an honor to co-chair ICDF2C. We are very excited to host the 2016 conference in Manhattan, New York at John Jay College of Criminal Justice. We are especially excited about the quality of this year's proceedings. Similar to previous events, this year the conference features work from prestigious institutions from a number of countries including the United States, Korea, Brazil, Czech Republic, France, Turkey and India. We are proud once more to have such a diverse international presence.

We did have a very rigorous review process this year that resulted in 11 accepted papers that will be published open access in the Journal of Digital Forensics, Security and Law (JDFSL). Our goal has and always will be to focus on quality, and not quantity. We thank our TPC Chair, Timothy Vidas, and TPC Vice Chair, and local chair Ping Ji who managed the double-blind peer review process in an unbiased manner. Thank you both for ensuring that the work accepted is of the highest quality.

It is also important to thank everyone that helped support this year's conference. Firstly, we would like to thank our sponsors NUIX and Google. We would also like to especially thank our conference managers Anna Horvathova and Ivana Allen for helping us throughout the whole process and for being patient with us.

We want to also thank a number of colleagues at the University of New Haven for their support: Ron Harichanran — Dean of the college of Engineering, Ali Golbazi — Chair of the ECECS department. Without their support, this event would not have been possible.

A special thank you goes to our keynote speakers, Nasir Memon from NYU-Poly and Elizabeth Schweinsberg from Google. Their experience in this domain is imperative for helping the community towards advancing the state of the art. It is also important to thank Glenn Dardick — JDFSL Editor-In-Chief for ensuring the journal's special issue is reviewed, edited and published in time for the conference.

Lastly, we want to thank our workshop presenters for putting together relevant and timely topics in the areas of forensic analysis of large data, full-disk encryption, and drone forensics.

We have a great conference this year, in the heart of Manhattan! We welcome you to enjoy the conference and thank you again for participating in this year's event!

Sincerely,

Ibrahim (Abe) Baggili Elder Family Endowed Chair Associate Professor & Co-Director of UNHcFREG Tagliatela College of Engineering, ECECS University of New Haven Frank Breitinger Assistant Professor & Co-director of UNHcFREG Tagliatela College of Engineering, ECECS University of New Haven