




Contents

ADFSL

Follow this and additional works at: <https://commons.erau.edu/adfsl>

 Part of the Aviation Safety and Security Commons, Computer Law Commons, Defense and Security Studies Commons, Forensic Science and Technology Commons, Information Security Commons, National Security Law Commons, OS and Networks Commons, Other Computer Sciences Commons, and the Social Control, Law, Crime, and Deviance Commons

Scholarly Commons Citation

ADFSL, "Contents" (2018). *Annual ADFSL Conference on Digital Forensics, Security and Law*. 16.
<https://commons.erau.edu/adfsl/2017/papers/16>

This Event is brought to you for free and open access by the Conferences at Scholarly Commons. It has been accepted for inclusion in Annual ADFSL Conference on Digital Forensics, Security and Law by an authorized administrator of Scholarly Commons. For more information, please contact commons@erau.edu.

EMBRY-RIDDLE
Aeronautical University™
SCHOLARLY COMMONS

(c)ADFSL



Contents

Committee	4
Schedule	5
Keynote Speaker: Anni R. Coden	8
Kelihos Botnet: A Never-Ending Saga.....	9
Arsh Arora*, Max Gannon and Gary Warner	
An Accidental Discovery of IoT Botnets and a Method for Investigating Them With a Custom Lua Dissector	27
Max Gannon*, Gary Warner and Arsh Arora	
Detect Kernel-Mode Rootkits via Real Time Logging & Controlling Memory Access.....	39
Irvin Homem, Satoshi Tanda and Igor Korkin*	
Harnessing Predictive Models for Assisting Network Forensic Investigations of DNS Tunnels	79
Irvin Homem* and Panagiotis Papapetrou	
Source Anonymization of Digital Images: A Counter-Forensic Attack on PRNU based Source Identification Techniques.....	95
Prithviraj Sengupta*, Venkata Udaya Sameer, Ruchira Naskar and Ezhil Kalaimannan	
Fast Filtering of Known PNG Files Using Early File Features	107
Sean McKeown*, Gordon Russell and Petra Leimich	
Defining a Cyber Jurisprudence	123
Peter R. Stephenson Ph.D.*	
Development of A Professional Code of Ethics in Digital Forensics.....	135
Kathryn C. Seigfried-Spellar*, Marcus Rogers and Danielle M. Crimmins	
Detecting Deception in Asynchronous Text	145
Fletcher Glancy *	
Understanding Deleted File Decay on Removable Media Using Differential Analysis	153
James H. Jones, Jr. *, Anurag Srivastava, Josh Mosier, Connor Anderson and Seth Buenafe	
Downstream Competence Challenges and Legal/Ethical Risks in Digital Forensics	167
Michael M. Losavio and Antonio Losavio *	
Digital Forensics Tool Selection with Multi-Armed Bandit Problem.....	179
Umit Karabiyik* and Tugba Karabiyik	
Exploring Digital Evidence with Graph Theory.....	197
Imani Palmer*, Roy Campbell and Boris Gelfand	
A New Method for Investigating Crimes Against Children	207
Hallstein Asheim Hansen*, Stig Andersen, Stefan Axelsson and Svein Hopland	

* *Author Presenting*