Eleventh Annual IFIP WG 11.9 International Conference on Digital Forensics  
Orlando, Florida  
January 26–28, 2015

January 25, 2015 (Sunday)

06:00pm - 08:30pm:  Dinner (High Tide Harry’s, 4645 S. Semoran Boulevard; Tel: (407) 273-4422)  
Meet in Hotel Lobby @ 05:15pm for Car Pooling

January 26, 2015 (Monday)

06:30am - 08:00am:  Breakfast (Hotel Radisson University)  
08:10am - 08:20am:  Welcoming Remarks and Logistics  
08:20am - 09:30am:  Keynote Lecture  
Case Studies in Invasive Embedded Device Forensics  
Sujeet Shenoi, University of Tulsa, Tulsa, Oklahoma, USA

09:30am - 10:30am:  Session 1:  Themes and Issues  
Chair: Gilbert Peterson, Air Force Institute of Technology, Wright-Patterson Air Force Base, Ohio, USA  
A Tale of Two Traces – Archives, Diplomats and Digital Forensics  
Fred Cohen  
Fred Cohen and Associates, Livermore, California, USA

Notions of “Hypothesis” in Digital Forensics  
Segen Tewelde, Martin Olivier and Stefan Gruner  
University of Pretoria, Pretoria, South Africa

10:30am - 10:45am:  Break

10:45am - 11:45am:  Session 2:  Internet Crime Investigations  
Chair: Martin Olivier, University of Pretoria, Pretoria, South Africa  
Graph-Based Forensic Investigation of Bitcoin Transactions  
Chen Zhao and Yong Guan  
Iowa State University, Ames, Iowa, USA

Profiling and Tracking a Cyberlocker Link Sharer in a Public Forum  
Xiao-Xi Fan and Kam-Pui Chow  
University of Hong Kong, Hong Kong, China

11:45am - 01:00pm:  Lunch (Golden Corral, 11731 E. Colonial Drive; Tel: (407) 902-2979)
January 26, 2015 (Monday) (continued)

01:15pm - 02:15pm:  Session 3: Forensic Techniques I  
Chair: Stefan Axelsson, Blekinge Institute of Technology, Karlskrona, Sweden  

Identifying Passwords Stored on Disk  
Shiva Houshmand, Sudhir Aggarwal and Umit Karabiyik  
Florida State University, Tallahassee, Florida, USA  

Towards a Feature Set for Classifying Malicious DLLs in Windows  
Dae Glendowne, Cody Miller, Wes McGrew and David Dampier  
Mississippi State University, Mississippi State, Mississippi, USA  

02:15pm - 02:30pm:  Break  

02:30pm - 03:30pm:  Session 4: Forensic Tools  
Fred Cohen, Fred Cohen and Associates, Livermore, California, USA  

A Tool for Extracting Windows 8.X App Static and Volatile Forensic Artifacts  
Shariq Murtuza, Robin Verma, Jayaprakash Govindaraj and Gaurav Gupta  
Indraprastha Institute of Information Technology Delhi, New Delhi, India  
Infosys Technologies, Bangalore, India  
Ministry of Communications and Information Technology, New Delhi, India  

Defining Standards for Secure Wiping Tools  
Muhammad Sharjeel Zareen, Baber Aslam and Monis Akhlaq  
National University of Sciences and Technology, Islamabad, Pakistan  

03:30pm - 04:30pm:  IFIP WG 11.9 Business Meeting  

06:00pm - 08:30pm:  Dinner (Smoky Bones, 303 N. Alafaya Trail; Tel: (407) 249-2009)  
Meet in Hotel Lobby @ 05:45pm for Car Pooling
January 27, 2015 (Tuesday)

06:30am - 08:00am: Breakfast (Hotel Radisson University)

08:10am - 09:15am: Keynote Lecture
It’s Not About the Evidence... Narrative Forensic Hypotheses in the Age of Social Media
Mark Pollitt, Digital Evidence Professional Services, Ellicott City, Maryland, USA

09:15am - 10:15am: Session 5: Database Forensics
Panagiotis Andriotis, University of Bristol, Bristol, United Kingdom
Determining Trigger Involvement During Forensic Attribution in Databases
Werner Hauger and Martin Olivier
University of Pretoria, Pretoria, South Africa
Using Internal MySQL/InnoDB B-Tree Index Navigation for Data Hiding
Peter Fruhwirt, Peter Kieseberg and Edgar Weippl
SBA Research, Vienna, Austria

10:15am - 10:30am: Break

10:30am - 11:30am: Session 6: Security and Privacy
Chair: Wynand van Staden, University of South Africa, Johannesburg, South Africa
Do Data Loss Prevention Systems Work?
Sara Ghorbanian, Glenn Fryklund and Stefan Axelsson
Blekinge Institute of Technology, Karlskrona, Sweden
CoreSec Systems, Malmo, Sweden
Privacy-Preserving Internet Real-Name Registration in China
Fei Xu, Ken Yau, Ping Zhang and Kam-Pui Chow
Chinese Academy of Sciences, Beijing, China
University of Hong Kong, Hong Kong, China

11:30am - 01:00pm: Lunch (Golden Corral, 11731 E. Colonial Drive; Tel: (407) 902-2979)

01:15pm - 02:45pm: Session 7: Mobile Device Forensics
Chair: Yong Guan, Iowa State University, Ames, Iowa, USA
A Framework for Describing Multimedia Circulation in the Smartphone Ecosystem
Panagiotis Andriotis, Theo Tryfonas, George Oikonomou and Irwin King
University of Bristol, Bristol, United Kingdom
Chinese University of Hong Kong, Hong Kong, China
Forensic-Ready Secure iOS Apps for Jailbroken iPhones
Jayaprakash Govindaraj, Rashmi Ainahalli Mata, Robin Verma and Gaurav Gupta
Infosys Technologies, Bangalore, India
Indraprastha Institute of Information Technology Delhi, New Delhi, India
Ministry of Communications and Information Technology, New Delhi, India
A Process Model for Mobile Device Triage
Richard Mislan and Marcus Thompson
Rochester Institute of Technology, Rochester, New York, USA
Purdue University, West Lafayette, Indiana, USA

02:45pm - 03:00pm: Break
January 27, 2015 (Tuesday) (continued)

03:00pm - 04:30pm: Session 8: Forensic Investigation Models
Chair: Rosemary Shumba, University of Maryland University College, Adelphi, Maryland, USA

*An Information Extraction Framework for Forensic Investigations*
Min Yang and Kam-Pui Chow
University of Hong Kong, Hong Kong, China

*A Logic-Based Network Forensic Model for Evidence Analysis*
Changwei Liu, Anoop Singhal and Duminda Wijesekera
George Mason University, Fairfax, Virginia, USA
National Institute of Standards and Technology, Gaithersburg, Maryland, USA

*Using Yin’s Approach to Case Studies as a Paradigm for Conducting Examinations*
Oluwasayo Oyelami and Martin Olivier
University of Pretoria, Pretoria, South Africa

06:00pm - 08:30pm: Dinner (Miller’s Ale House, 641 N. Alafaya Trail; Tel: (407) 736-0333)
Meet in Hotel Lobby @ 05:45pm for Car Pooling
January 28, 2015 (Wednesday)

06:30am - 08:00am:  Breakfast (Hotel Radisson University)

08:15am - 09:45am:  Session 9:  Cloud Forensics  
Chair: Kam-Pui Chow, University of Hong Kong, Hong Kong, China  
A Trustworthy Forensics-Enabled Cloud Architecture  
Shams Zawoad and Ragib Hasan  
University of Alabama at Birmingham, Birmingham, Alabama, USA  
A Model for Locating and Tracking a Digital Object in the Cloud  
Philip Trenwith and Hein Venter  
University of Pretoria, Pretoria, South Africa  
Digital Forensic Investigations in the Cloud: An Approach for Irish Law Enforcement  
James Plunkett, Nhien An Le Khac and Tahar Kechadi  
University College Dublin, Dublin, Ireland

09:45am - 10:00am:  Break

10:00am - 10:30am:  Session 10:  Forensic Techniques II  
Chair: Philip Craiger, Daytona State College, Daytona, Florida, USA  
Fragmented JPEG File Recovery Using Pseudo Headers  
Yanbin Tang, Zheng Tan, Kam-Pui Chow and Siu-Ming Yiu  
University of Hong Kong, Hong Kong, China

11:00am - 12:15pm:  Lunch (Golden Corral, 11731 E. Colonial Drive; Tel: (407) 902-2979)

12:30pm - 04:00pm:  Orlando Wetlands Tour and Alligator Safari  
Meet in Hotel Lobby @ 12:30pm for Car Pooling