



**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 Sheno, 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 Mislán 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