

**Fifth Annual IFIP WG 11.9 International Conference on Digital Forensics**  
**National Center for Forensic Science**  
**University of Central Florida**  
**Orlando, Florida**  
**January 25 – 28, 2009**

**January 25, 2009 (Sunday)**

**06:30pm - 08:30pm: Dinner (High Tide Harry's, 925 N. Semoran Boulevard; Tel: (407) 273-4422)**  
**Meet in Hotel Lobby @ 05:30pm for Car Pooling**

**January 26, 2009 (Monday)**

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

**08:30am - 08:40am: Welcoming Remarks and Logistics**

**08:40am - 09:30am: Keynote Lecture**

*Creating an International Cyber Crime Legal Framework – Issues and Challenges*

Jody Westby, CEO, Global Cyber Risk LLC, Washington, DC

Chair, Privacy and Computer Crime Committee, American Bar Association

**09:30am - 10:30am: Session 1: Legal Issues**

Chair: Jill Slay, University of South Australia, Mawson Lakes, Australia

*On the Legal Issues Confronting Digital Forensics*

S. Liles, M. Hoebich and M. Rogers

Purdue University, West Lafayette, Indiana

*A Framework for Assessing Legal Risks in Network Forensic Probing and Monitoring*

M. Losavio, O. Nasraoui, J. Marean, N. Miles, V. Thacker, R. Yampolskiy and I. Imam

University of Louisville, Louisville, Kentucky

**10:30am - 10:45am: Break**

**10:45am - 11:45am: Session 2: Network Forensics**

Chair: Hein Venter, University of Pretoria, Pretoria, South Africa

*Issues and a Case Study in Bulk Email Forensics*

F. Cohen

Fred Cohen and Associates, Livermore, California

*Detecting and Tracking Contraband Digital Files Transmitted via BitTorrent*

K. Schrader, B. Mullins, G. Peterson and R. Mills

Air Force Institute of Technology, Wright-Patterson Air Force Base, Ohio

**11:45am - 01:00pm: Lunch (Marketplace@UCF Campus – Shuttle Transportation Provided)**

**01:10pm - 02:00pm: Keynote Lecture**

*Digital Forensics as a Forensic Science*

Carol Henderson, Stetson University College of Law, Gulfport, Florida

President, American Association of Forensic Sciences

**02:00pm - 03:00pm: Session 3: Themes and Issues**

Chair: Marc Rogers, Purdue University, West Lafayette, Indiana

*Digital Forensics as a Surreal Narrative*

M. Pollitt

University of Central Florida, Orlando, Florida

## **January 26, 2009 (Monday) (continued)**

*Towards a Formalization of Digital Forensics*

J. Slay, Y. Lin, B. Turnbull, J. Beckett and P. Lin

University of South Australia, Mawson Lakes, Australia

Central Police University, Taipei, Taiwan

**03:00pm - 03:20pm: Break**

**03:20pm - 04:45pm: Session 4: Advanced Topics**

Chair: Yong Guan, Iowa State University, Ames, Iowa

*Identifying Newly Updated Data Values of MRU Keys Between Registry Snapshots*

Y. Zhu, P. Gladyshev and J. James

University College Dublin, Dublin, Ireland

*Implementing Boot Control for the Windows Vista Operating System*

Y. Ashino, K. Fujita, M. Furusawa, T. Uehara and R. Sasaki

Tokyo Denki University, Tokyo, Japan

Kyoto University, Kyoto, Japan

*Forensic Analysis of the Sony PlayStation Portable*

S. Conrad, C. Marberry, C. Rodriguez and P. Craiger

University of Central Florida, Orlando, Florida

**06:30pm - 08:00pm: Dinner (Smoky Bones, 303 N. Alafaya Trail; Tel: (407) 249-2009)**

**Meet in Hotel Lobby @ 06:15pm for Car Pooling**

## January 27, 2009 (Tuesday)

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

### 08:30am - 09:20am: Keynote Lecture

*Digital Forensics Research: The Good, the Bad, and the Unaddressed*  
Nicole Beebe, University of Texas at San Antonio, San Antonio, Texas

### 09:20am - 10:20am: Session 5: Document and Image Forensics

Chair: Kam-Pui Chow, University of Hong Kong, Hong Kong, China

*DCT Coefficient Analysis for Printing Technique and Document Copy Detection*

C. Schulze, M. Schreyer, A. Stahl and T. Breuel  
University of Kaiserslautern, Kaiserslautern, Germany

*Determining Digital Image Origin Using One-Class and Multi-Class Support Vector Machines*

B. Wang, X. Kong and X. You  
Dalian University of Technology, Dalian, China  
Beijing Institute of Electronic Technology and Applications, Beijing, China

### 10:20am - 10:40am: Break

### 10:40am - 11:40am: Session 6: Non-Disclosure and Privacy

Chair: Michael Losavio, University of Louisville, Louisville, Kentucky

*Digital Forensics and Non-Disclosure in Electronic Discovery*

D. Billard  
University of Applied Sciences, Geneva, Switzerland

*Towards a Forensics-Ready Framework for Information Privacy Incidents*

K. Reddy and H. Venter  
University of Pretoria, Pretoria, South Africa

### 11:45am - 01:00pm: Lunch (Marketplace@UCF Campus – Shuttle Transportation Provided)

### 01:10pm - 02:30pm: Session 7: Forensic Investigation Models

Chair: Jonathan Butts, University of Tulsa, Tulsa, Oklahoma

*A Cost-Effective Digital Forensic Investigation Model*

R. Overill, M. Kwan, K. Chow, P. Lai and F. Law  
King's College London, London, United Kingdom  
University of Hong Kong, Hong Kong, China

*Enhancing Digital Forensic Investigations with Concept Mapping*

A. Tanner and D. Dampier  
Mississippi State University, Mississippi State, Mississippi

*System Support for Forensic Inference*

A. Gehani, F. Kirchner and N. Shankar  
SRI International, Menlo Park, California

### 02:30pm - 02:45pm: Break

### 02:45pm - 03:40pm: Session 8: Network Forensics

Chair: Gilbert Peterson, Air Force Institute of Technology, Wright-Patterson AFB, Ohio

*A Heuristic Approach for Investigating the P2P Foxy Network*

R. Ieong, P. Lai, K. Chow, F. Law, M. Kwan and W. Tse  
University of Hong Kong, Hong Kong, China

*An Effective Fraud Detection Method for Internet Auction Systems*

Y. Peng, L. Zhang and Y. Guan  
Iowa State University, Ames, Iowa

## **January 27, 2009 (Tuesday) (continued)**

**03:40pm - 03:50pm: Break**

**03:50pm - 04:50pm: Panel: Network Forensics – Issues and Challenges**

Chair: James Graham, University of Louisville, Louisville, Kentucky

Panelists

Adel Elmaghraby, University of Louisville, Louisville, Kentucky

Doug Wampler, Bellarmine University, Louisville, Kentucky

Hanafy Meleis, Palmetto Capital Fund, Fort Lauderdale, Florida

Michael Losavio, University of Louisville, Louisville, Kentucky

**06:30pm - 08:30pm: Dinner (Longhorn Steakhouse, 309 N. Alafaya Trail; Tel: (407) 482-2100)  
Meet in Hotel Lobby @ 06:15pm for Car Pooling**

**January 28, 2009 (Wednesday)**

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

**08:30am - 09:30am: Session 9: Forensic Computing Architectures**

Chair: Martin Olivier, University of Pretoria, Pretoria, South Africa

*A Cloud Computing Platform for Large-Scale Forensic Processing*

V. Roussev, L. Wang, G. Richard III and L. Marziale

University of New Orleans, New Orleans, Louisiana

*Leveraging the PlayStation's Cell Architecture for Password Cracking*

H. Kleinhans, J. Butts and S. Sheno

University of Tulsa, Tulsa, Oklahoma

**09:30am - 10:15am: Break**

**10:15am - 11:15am: Session 10: Forensic Analysis Techniques**

Chair: Mark Pollitt, University of Central Florida, Orlando, Florida

*A Digital Forensic View of the Yahoo! Case*

M. Kwan, K. Chow, P. Lai, F. Law and K. Tse

University of Hong Kong, Hong Kong, China

*Forensic Analysis of Virtual Machine Impact on a Host Machine*

G. Dorn, C. Marberry, S. Conrad and P. Craiger

University of Central Florida, Orlando, Florida

**11:15am - 12:30pm: Lunch (Marketplace@UCF Campus – Shuttle Transportation Provided)**