Sixth Annual IFIP WG 11.9 International Conference on Digital Forensics
Council Chamber
University of Hong Kong
Pok Fu Lam Road
Hong Kong
January 3 - 6, 2010

January 3, 2010 (Sunday)

6:30pm - 9:30pm: Conference Dinner
(Jumbo Floating Restaurant, Shum Wan Pier Drive, Wong Chuk Hang, Aberdeen; Tel: +852 2553 9111)
(Meet in hotel lobby @ 6:00pm for bus to restaurant)

January 4, 2010 (Monday)

7:00am - 8:30am: Breakfast (Courtyard Marriott Hong Kong Hotel)
(Meet in hotel lobby @ 8:30am for bus to conference venue)

9:00am - 9:10am: Welcoming Remarks
General Chair: Kam-Pui Chow, University of Hong Kong, Hong Kong

9:10am - 9:30am: Opening Speech
E-Crime and Digital Forensics in Hong Kong
Clarence To Chun-Wai, Assistant Commissioner (Crime), Hong Kong Police, Hong Kong

9:30am - 10:30am: Keynote Lecture
Digital Forensics Research in Mainland China
Rongsheng Xu, Chinese Academy of Sciences, Beijing, China;
Chairman, China Computer Forensics Research Center, Beijing, China

10:30am - 10:45am: Break

10:45am - 11:45am: Session 1: Fraud Investigations
Chair: Mark Pollitt, National Center for Forensic Science, University of Central Florida, Orlando, Florida, USA

Detecting Illegal Business Schemes in Choreographed Web Services
Murat Gunestas, Duminda Wijesekera and Murad Mehmet
General Directorate of Security, Ankara, Turkey
George Mason University, Fairfax, Virginia, USA

Internet Auction Fraud Investigations
Michael Kwan, Richard Overill, Kam-Pui Chow, Jantje Siloman, Hayson Tse, Frank Law and Pierre Lai
University of Hong Kong, Hong Kong
King's College, London, United Kingdom

11:45am - 12:45pm: Session 2: Advanced Forensic Techniques
Chair: Richard Overill, King's College, London, United Kingdom

Consistency Study of the Windows Registry
Yuandong Zhu, Joshua James and Pavel Gladyshev
University College Dublin, Dublin, Ireland

A Platform-Independent Digital Watermarking Scheme for Detecting the Unauthorized Use of Virtual Machines
Kumiko Tadano, Masahiro Kawato, Ryo Furukawa, Fumio Machida and Yoshiharu Maeno
NEC Corporation, Kawasaki, Japan

12:45pm - 2:00pm: Lunch (Maxim's, 4/F Chong Yuet Ming Amenities Centre, University of Hong Kong)

2:00pm - 3:00pm: Keynote Lecture
A History of Digital Forensics
Mark Pollitt, National Center for Forensic Science, University of Central Florida, Orlando, Florida, USA;
Former Unit Chief, CART, Federal Bureau of Investigation, Washington, DC, USA

January 4, 2010 (Monday) (continued)

3:00pm - 3:30pm: Break

3:30pm - 5:00pm: Session 3: Live Forensics
Chair: Hein Venter, University of Pretoria, Pretoria, South Africa

A Compiled Memory Analysis Tool
James Okolica and Gilbert Peterson
Air Force Institute of Technology, Wright-Patterson Air Force Base, Ohio, USA

Uncertainty in Live Forensics
Antonio Savoldi, Paolo Gubian and Isao Echizen
University of Brescia, Brescia, Italy
National Institute of Informatics, Tokyo, Japan

Identifying Static and Dynamic Volatile Memory Data from Multiple Dumps for Live Forensics
Frank Law, Ping-Fai Chan, Siu-Ming Yiu, Benjamin Tang, Pierre Lai, Kam-Pui Chow, Ricci Ieong, Michael Kwan, Wing-Kai Hon and Lucas Hui
University of Hong Kong, Hong Kong
National Tsing Hua University, Hsinchu, Taiwan

7:30pm - 9:30pm: Conference Dinner and Cruise
(Harbour Cruise-Bauhinia, North Point Ferry Pier; Tel: +852 2802 2886)
(Meet at conference venue @ 5:45pm for bus to restaurant)

January 5, 2010 (Tuesday)

7:00am - 8:30am: Breakfast (Courtyard Marriott Hong Kong Hotel)
(Meet in hotel lobby @ 8:30am for bus to conference venue)

9:00am - 10:00am: Keynote Lecture
Chair: Philip Beh, President, Hong Kong Forensic Science Society;
Professor of Pathology, University of Hong Kong, Hong Kong

International Issues Facing Digital and Multimedia Forensic Sciences
Carol Henderson, Stetson University College of Law, Gulfport, Florida, USA;
Immediate Past President, American Association of Forensic Sciences, Colorado Springs, Colorado, USA

10:00am - 11:00am: Session 4: Legal Issues and Privacy
Chair: Martin Olivier, University of Pretoria, Pretoria, South Africa

On the Use of a Local Search Warrant to Acquire Digital Evidence Stored Overseas via the Internet
Kenny Wang
University of Hong Kong, Hong Kong

Analysis of Green Dam Youth-Escort from a Forensic Perspective
Frankie Li, Hilton Chan, Kam-Pui Chow and Pierre Lai
University of Hong Kong, Hong Kong

11:00am - 11:30am: Break

11:30am - 12:30pm: Session 5: Evidence Storage and Analysis
Chair: Gilbert Peterson, Air Force Institute of Technology, Wright-Patterson Air Force Base, Ohio, USA

A Refined Evidence Container Solution for Accurate Data Representation and Provenance
Bradley Schatz and Michael Cohen
Queensland University of Technology, Brisbane, Australia
Australian Federal Police, Brisbane, Australia

Data Fingerprinting with Similarity Digests
Vassil Roussev
University of New Orleans, New Orleans, Louisiana, USA

12:30pm - 2:00pm: Lunch (Maxim's, 4/F Chong Yuet Ming Amenities Centre, University of Hong Kong)

2:00pm - 3:00pm: Keynote Lecture
The Science of Digital Forensic Examination
Fred Cohen, Chief Executive Officer, Fred Cohen and Associates, Livermore, California, USA;
President, California Sciences Institute, Livermore, California

3:00pm - 3:30pm: Break

3:30pm - 5:00pm: Session 6: Advanced Topics
Chair: Vassil Roussev, University of New Orleans, New Orleans, USA

Forensic Analysis of a Sony PlayStation 3 Gaming Console
Scott Conrad, Greg Dorn and Philip Craiger
National Center for Forensic Science, University of Central Florida, Orlando, Florida, USA

Modeling of a Readiness Approach for WLAN Digital Forensics
Sipho Ngobeni, Hein Venter and Ivan Burke
University of Pretoria, Pretoria, South Africa

Virtual Expansion of Rainbow Tables
Vrizlynn Thing
Institute for Infocomm Research, Singapore

7:00pm - 9:00pm: Conference Dinner
(Café Deco Hong Kong, Peak Galleria, 118 Peak Road, The Peak; Tel: +852 2849 5111)
(Meet at conference venue @ 5:30pm for bus to restaurant)

January 6, 2010 (Wednesday)

7:00am - 8:30am: Breakfast (Courtyard Marriott Hong Kong Hotel)
(Meet in hotel lobby @ 8:30am for bus to conference venue)

9:00am - 10:00am: Session 7: Evidence Collection
Chair: Antonio Savoldi, University of Brescia, Brescia, Italy

Data Recovery Function Testing for Computer Forensic Investigation Tools
Yinghua Guo and Jill Slay
University of South Australia, Adelaide, Australia

Digital Forensics Requirements in China: A Case Study Using the Digital Evidence Search Kit (DESK)
Ying Yang, Kam-Pui Chow, Lucas Hui, Chunxiao Wang, Lijuan Chen, Zhenya Chen and Jenny Chen
Shandong Computer Science Center, Jinan, China
University of Hong Kong, Hong Kong

10:00am - 10:15am: Break

10:15am - 11:45am: Session 8: Advanced Topics
Chair: William Hamill, University of Tulsa, Tulsa, Oklahoma, USA

Forensic Tracking and Mobility Prediction in Vehicular Networks
Saif Al-Kuwari and Stephen Wolthusen
Royal Holloway, University of London, London, United Kingdom
Gjovik University College, Gjovik, Norway

Identifying Initial Seeders in Peer-to-Peer Networks
Ricci Ieong, Pierre Lai, Kam-Pui Chow, Michael Kwan and Frank Law
University of Hong Kong, Hong Kong

A Visualization Method for Tracing Pathways of Confidential Information
Yuki Nakayama, Seiji Shibaguchi and Kenichi Okada
Keio University, Yokohama City, Japan

12:00pm - 2:00pm: Lunch
(Shing Hin Restaurant, 6/F, Hong Kong Police Headquarters, Arsenal House, Wan Chai)
(Meet at conference venue @ 12:00pm for bus to restaurant and Police Headquarters)

2:00pm - 4:00pm: Tour of Computer Forensics Laboratory, Technology Crime Division, Hong Kong Police