2013 8th International Workshop on Systematic Approaches to Digital Forensics Engineering

(SADFE 2013)

Hong Kong
21 – 22 November 2013
Day One - November 21, 2013

Session One
Session Chair : K.P. Chow, The University of Hong Kong

- Forensic artifacts of the ChatON Instant Messaging application
  Asif Iqbal & Andrew Marrington, Zayed University
  Ibrahim Baggili, University of New Haven

- CAT Record (Computer Activity Timeline Record): A unified agent based approach for real time computer forensic evidence collection
  Shadi Al Awawdeh, Andrew Marrington & Farkhund Iqbal, Zayed University
  Ibrahim Baggili, University of New Haven

- A Study of Forensic & Analysis Tools
  Sriram Raghavan, Secure Cyber Space
  S.V. Raghavan, IIT Madras

- AssocGEN: Engine for Analyzing Metadata Based Associations in Digital Evidence
  Sriram Raghavan, Secure Cyber Space
  S.V. Raghavan, IIT Madras

Session Two
Session Chair : Michael Kwan, The University of Hong Kong

  Filipo Sharevski, Purdue University

- Legal/Forensic Concerns In The Analysis of Digital Device Hardcopy Output
  Michael M. Losavio, Deborah G. Keeling, University of Louisville

- FishEYE: A Forensic Tool for the Visualization of Change-Over-Time in Windows VSS
  Jin-Ning Tioh, Yong Guan, Iowa State University
Session Three
Session Chair: Michael Losavio, University of Louisville

- Seizure of Digital Data and “Selective Suppression” of Digital Evidence
  Nicolai Kuntze, Carsten Rudolph, Frauenhofer Institute
  Hellen Schilling, Kempf & Dannenfeldt
  Aaron Alva, Brooke Brisbois, Barbara Endicott-Popovsky, University of Washington

- UniTIME: Timestamp Interpretation Engine for Developing Unified Timelines
  Sriram Raghavan, Secure Cyber Space
  Huzur Saran, IIT Delhi

- Quantification of Digital Forensic Hypotheses Using Probability Theory
  Richard E. Overill, Jantje A. M. Silomon, King’s College, London
  Kam-Pui Chow, Hayson K. S. Tse, The University of Hong Kong

Day Two - November 22, 2013

Session Four
Session Chair: Michael Losavio, University of Louisville

- The Next Generation for the Forensic Extraction of Electronic Evidence from Mobile Telephones
  Hayson K. S. Tse, Kam-Pui Chow, Michael Y. K. Kwan
  The University of Hong Kong

- MapReduce-based Frequent Itemset Mining for Analysis of Electronic Evidence
  Xueqing Jiang and Guozi Sun
  Nanjing University of Posts & Telecommunications

- On the Application of Digital Forensics in Different Scenarios
  Jingsha He, Xuejiao Wan, Gongzheng Liu, Na Huang and Bin Zhao
  Beijing University of Technology

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