

SADFE 2016

Eleventh International Conference on Systematic Approaches to Digital Forensics Engineering

<http://sadfe.org>

September 20th – 22nd, 2016, Kyoto, Japan

Call for Papers



SADFE-2016 is concerned with the generation, analysis and sustainability of digital evidence and evolving tools and techniques that are used in this effort. Advancement in this field requires innovative methods, systems, and practices, which are grounded in solid research coupled with an understanding of user needs. Digital forensics at SADFE focuses on the issues introduced by the coupling of rapidly advancing technologies and increased globalization. We believe digital forensic engineering is vital to security, the administration of justice and the evolution of culture.

Conference Topics

Potential topics include, but are not limited to:

Digital Data and Evidence Collection:

- Identification, authentication and collection of digital evidence
- Extraction and management of forensic artifacts
- Identification and redaction of personally identifying/sensitive information
- Evidence and digital memory preservation, curation and storage
- Compliance of architectures and processes (including network processes) with forensic requirements
- Data, digital knowledge, and web mining systems for identification and authentication of data
- Honeynets and other deception technologies that collect data for forensic analysis
- Innovative forensic techniques for new technologies

Digital Evidence Management, Integrity and Analytics:

- Advanced search, analysis, and presentation of digital evidence
- Cybercrime analysis, modeling and reconstruction technologies
- Tools and techniques for combining digital and non-digital evidence
- Supporting both qualitative and quantitative evidence
- Handling of evidence and the preservation of data integrity and admissibility
- Digital evidence in the face of encryption
- Forensic-support technologies: forensic-enabled and proactive monitoring/response

Scientific Principle-Based Digital Forensic Processes

- Examination environments for digital data
- Legal/technical aspects of admissibility and evidence tests
- Forensic tool validation: legal implications and issues
- Handling increasing volumes of digital discovery
- Computational Forensics and Validation Issues in Forensic Authentication and Validation.
- Forensic Readiness by Design
- Forensics tool validation
- Computational systems and computational forensic analysis

Legal, Ethical and Technical Challenges

- Forensics, policy and ethical implications new and evolving technologies
- Legal and privacy implications for digital and computational forensic analysis
- New Evidence Decisions
- Legal case construction and digital evidence support
- Transnational Investigations/Case Integration
- Managing geographically, politically and/or jurisdictionally dispersed data artifacts
- Case studies illustrating privacy, legal and legislative issues
- Courtroom expert witness and case presentation

The Impacts of the following on any of the above

- Technological challenges
- Legal and ethical challenges
- Economic challenges
- Political challenges
- Cultural and professional challenges
- New Trends (Internet of Things, Cloud Computing, Smart City, Big Data, etc.)

Important Deadlines

Paper submission: **June 1, 2016**

Author Notification: **July 15, 2016**

Final paper due: **August 15, 2016**

Conference: **Sept. 20 – 22, 2016**

Publication

SADFE-2016 papers will have the opportunity to be published in a Special Issue of the Journal of Digital Forensics, Security and Law (JDFSL) and will undergo a double-blind review process.

Best paper award

A Best Paper Award will be selected from among the final papers.

Contact Information

Submissions to the SADFE 2016 conference will be handled through Easy Chair and can be made at <https://easychair.org/conferences/?conf=sadfe2016>. **Other information can be obtained at <http://sadfe.org>.** For any other questions related to the submission phase, please contact the SADFE 2016 PC chair: Dave Dampier (dampier@dasi.msstate.edu).

For questions related to the organization of SADFE 2016 please contact one of the following:

Tetsotaru Ueahara, Kyoto University, uehara@cs.ritsumeai.ac.jp

Michael Losavio, University of Louisville michael.losavio@louisville.edu +1 502 852 3509

Program Committee

- Sudhir Aggarwal, Florida State University
- Frank Breiterger, University of New Haven
- Joseph Cannatacci, University of Groningen
- Long Chin, Chongqing University of Posts and Telecom
- Kim-Kwang Raymond Choo, University of South Australia
- K.P. Chow, University of Hong Kong
- Mohamed El Attar, Mississippi State University
- Barbara Endicott-Popovsky, University of Washington
- Robert Erbacher, Northwest Security Institute
- Xinwen Fu, University of Massachusetts-Lowell
- Dae Glendowne, Mississippi State University
- Lambert Großkopf, Universität Bremen
- Yong Guan, Iowa State University
- Barbara Guttman, NIST
- Brian Hay, University of Alaska-Fairbanks
- Ping Ji, John Jay College of Criminal Justice
- Jeremy John, British Library
- Andrina Lin, Ministry of Justice Investigation Bureau (Taiwan)
- Pinxin Liu, Renmin University of China Law School
- Michael Losavio, University of Louisville
- David Manz, Pacific Northwest National Lab
- Mariofanna Milanova, Univ of Arkansas-Little Rock
- Carsten Momsen, Freie Universität Berlin
- Kara Nance, University of Alaska-Fairbanks
- Gilbert Peterson, Air Force Institute of Technology
- Slim Rekhis, University of Carthage
- Golden Richard, University of New Orleans
- Ahmed Salem, Hood College
- Clay Shields, Georgetown University
- Bill Underwood, Georgia Institute of Technology
- Wietse Venema, Google
- Hein Venter, University of Pretoria
- Xinwuan Wang, George Mason University
- Yang Xiang, Deaking University, Australia
- Alec Yasinsac, University of South Alabama
- S.M. Yiu, Hong Kong University
- Nan Zhang, George Washington University