



HICSS Symposium on Cybersecurity Big Data Analytics

1pm - 4pm, January 4, 2017

CALL FOR PAPERS

IMPORTANT DATES

- Submissions Due: October 17, 2016
- Acceptance Notification: November 14, 2016
- HICSS Symposium: January 4, 2017

SYMPOSIUM OBJECTIVE

While there has been a great deal of discussion around “Big Data” lately, including how it can revolutionize cybersecurity, actual research is limited. This Symposium seeks to let practitioners and academics present emerging cybersecurity big data research and challenges in domains such as data collection and processing, data analytics, data handling, machine learning, and visualization, as well as to present and discuss potential cybersecurity big data research topics and methodologies of interest to the cybersecurity community.

Topics related to data include areas such as logs, network traffic data (PCAP), system process data, system memory data, and even complete virtualized system snapshots. Analytics topics include, but are not limited to, methodologies, techniques, and impacts of real-time processing for incident detection and/or prevention, data review for incident and anomaly detection, post-incident response analytics, and IT audit-related analytics. Data handling covers research and case studies into process and procedures. Visualization will look at all aspects of research related to visualizing the data, such as temporal, geographical, threat, actor, event-based, and other data types. Automated machine covers all forms that leverage or require Big Data for support, including defensive measures and potential threat applications.

SYMPOSIUM FORMAT

The Symposium will include paper presentations and a panel discussion.

SUBMISSION, REVIEW, ACCEPTANCE and PRESENTATION

Papers should be emailed to AZSecure-HICSS@list.arizona.edu. Papers will be peer-reviewed. Authors of accepted papers will present their work during the Symposium. Due to the limited time available, authors of short papers will have 15 minutes to present, authors of long papers will have 20 minutes, and poster authors must be present to discuss their work during the mid-symposium coffee break. At least one author from each paper and poster must be registered and present.

SUBMISSION FORMAT

Authors may submit long papers (up to 8 pages) or short papers (up to 4 pages) for presentation. A limited number of posters (up to 2-page abstract) will be accepted; posters will be displayed in the back of the room.

Submission should follow the IEEE double-column format. For instructions and formatting templates, see the IEEE publications page at http://www.ieee.org/conferences_events/conferences/publishing/templates.html. Submission format is PDF.

SYMPOSIUM CHAIRS

Drs. Mark Patton, Hsinchun Chen, and Jay Nunamaker - University of Arizona

SYMPOSIUM WEBSITE

For more information, see the Symposium website at <http://www.azsecure-hicss.org/>

SYMPOSIUM CONTACT

Questions can be directed to Mark Patton at AZSecure-HICSS@list.arizona.edu

SYMPOSIUM LOCATION

The Symposium will be part of HICSS-50 at the Hilton Waikoloa Village Resort on the Big Island.

