Fall 2014 Seminar Series
Presented by the CS Division

DIGITAL FORENSICS IN THE AGE OF THE INTERNET OF THINGS: CHALLENGES AND OPPORTUNITIES

FRIDAY NOVEMBER 21, 2014

10:00 AM – HEC 450

The term "Internet of things" has different meaning to each of the constituent communities building services and devices. One community though is having to rapidly evolve and that is the digital forensics and incident response community. Whether it is the acquisition, analysis, reporting, or validating of results each of the steps in the forensic process is customized at almost a device level.

Through rapid advancement and practical application of the principles of digital forensics, a series of processes are discussed that give an indication of the future of this problem set to the digital forensics scientific community. As a work in progress, positive and negative results are discussed to give a grounding in the solutions and challenges of this research.

Tools, techniques, and procedures are provided as an overview utilizing an interesting case study and the challenges of that case study are discussed. Participants should learn about using current tools, new tools, and a few different strategies if they are challenged with a similar case in the future.

SAM LILES
Purdue University

Dr. Liles has served an enlistment in the United States military (US Army National Guard, and United States Marine Corps) and in municipal and county law enforcement. In the early 1990s he left law enforcement to work in the emerging high tech industry working on information technology and information assurance projects around the United States.

Dr. Liles has a doctoral degree from Purdue University in Technology. He is an associate professor in the Cyberforensics Laboratory at Purdue University and at CERIAS in West Lafayette, Indiana. He specializes in information assurance and security as it is applied to analysis of transnational cyber threats and cyber forensics. His research interests are conflict, technical intelligence, forensic attribution, and embedded systems forensics.

Hosted by: Dr. Sheau-Dong Lang

UCF