

**TRACK:** IT Security Advanced  
**SESSION #:** TBA  
**DATE:** TBA  
**TIME:** TBA  
**SESSION TITLE:** "Teaching Network Forensics to the Next Generation of Investigators"  
**SPEAKER(S):** Leighton R. Johnson III – CTO  
**ORGANIZATION:** Information Security and Forensics Management Team (ISFMT)

**ABSTRACT:** "Teaching Network Forensics to the Next Generation of Investigators"

The new Internet, Web2.0, Virtualization, and the advent of a National Cyber Strategy and Workforce have all pointed out the need for new Cyber Investigators. This presentation will present methodologies and techniques utilized in actual collegiate settings for teaching Network Forensics, Web-based investigations, and Collection of non-volatile & volatile evidence. Critical chains of evidence collection and custody in each investigation is explored. The laws, ethics, regulations and boundaries for investigations and the investigators are next presented to help clarify positions and policies. Finally, the needed relations for the investigator are presented; these include technical, management, law enforcement and civil relationships with professionals and organizations.

**SPEAKER BIO(S):** Leighton Johnson is the CTO and Senior Security Engineer for Information Security and Forensics Management Team (ISFMT), a provider of computer security, forensics consulting & certification training. He most recently was the CIO for a 450 person directorate within Lockheed Martin IS&GS covering 7 locations within the Eastern and Midwestern parts of the U.S. He recently served as Security Operations Program Manager for a US DOD Field Agency, based in Arlington, VA.

He has over 35 years experience in Computer Security, Software Development and Communications Equipment Operations & Maintenance. Primary focus areas have included computer security, information operations & assurance, software system development life cycle focused on modeling & simulation systems, systems engineering and integration activities, database administration, business process & data modeling. He teaches Digital and Network Forensics courses at Augusta State University. He holds CISM (Certified Information Security Manager), CISA (Certified Information Systems Auditor), CISSP (Certified Information Systems Security Professional), CIFI (Certified Information Forensics Investigator), CSSLP (Certified Secure Software Lifecycle Professional) and CMAS (Certified Master Anti-Terrorism Specialist) credentials.