



Digital & Multimedia Sciences Section - 2015

C22 The Intersection of Physical and Digital Security and Investigations

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After attending this presentation, attendees will understand some basic principles and behaviors related to physical security and cyber security and how they interact.

This presentation will impact the forensic science community by providing a basic understanding of the common ground and responsibilities in physical and cyber security.

Many organizations treat physical security and cyber security as separate and distinct responsibilities. In fact, the intersection of these security responsibilities is critical to understand. Cyber security practitioners must interact, train, develop policies, and learn with physical security practitioners in order to adequately secure the environment in which they work.

Issues such as entry and search policies and how they relate to cyber security policies regarding external media can and do create conflict between these two groups of practitioners. Indeed, many recent cases have allowed exfiltration of sensitive data aided by the ability of the perpetrator to enter the facility with writable external media.

Additionally, physical security relies heavily on technology, the security of which these practitioners may not fully understand, allowing for physical breaches caused by weak cyber security policies in their security networks. They also require interaction with cyber security, digital forensic, and multimedia practitioners to assist in investigations into physical security incidents.

How this interaction must develop will be addressed as well as suggestions for policy improvement related to these two groups working together.

Physical Security, Digital Security, Cyber Security