



## Digital & Multimedia Sciences – 2018

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### C5 Current Efforts in Video Forensics, Image Analysis, and Photography as It Relates to Digital Evidence From the Scientific Working Group on Digital Evidence (SWGDE) — Part 2

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After attending this presentation, attendees will expand their general understanding of the mission and work of the Scientific Working Group on Digital Evidence (SWGDE), with recent activities and updates in the sub-disciplines of video and image analysis, as well as general photography.

This presentation will impact the forensic science community by providing an introduction to the SWGDE and their recent activities, with specific concentration on information relevant to best practices, guidelines, and standard developments in the digital evidence sub-disciplines of video and image analyses, as well as the field of photography as it intersects the realm of digital evidence.

This is the second of a two-part session that will provide a continuation of presentations discussing the activities and efforts of the SWGDE. In the first session, titled “Scientific Working Group on Digital Evidence (SWGDE) and Its Current Efforts in Digital Forensics and Forensic Audio -- Part 1,” an in-depth introduction to the SWGDE organization was provided. The audience learned how SWGDE was established in 1998; about its membership and structure; that its mission is to bring together organizations representing law enforcement, academia, legal, and commercial communities actively engaged in the field of digital and multimedia evidence to foster communication and cooperation; and that SWGDE intends to provide guidance to the digital forensic community through the publication of standards, guidelines, and best practices with a concentration on public outreach and feedback acceptance.

Beginning with the Part 1 session, preceding this one, updates from standing committee members representing digital and multimedia subdisciplines were provided from two of its five standing technical committees -- Digital Forensics and Imaging. This Part 2 session is intended to be a continuation of information provided in the first session by continuing with updates from the remaining standing technical committees. Committee representatives will present the current efforts of the remaining subdisciplines of Video, Imaging, and Photography. An update on current activities, discussion topics and documents, as well as works in progress from each committee will be provided. The mission statements of the remaining technical standing committees are:

**Imaging Committee:** responsible for producing documents that pertain to the best practices for the examination and evaluation of imagery. This may involve opinions as to the provenance of an image or its content, including photogrammetric analysis, comparative analysis, and/or authentication.

**Photography Committee:** charged with addressing photographic and imaging issues as they intersect the realm of digital evidence. The committee develops best practices for processes ranging from field photography to the compression and archiving of those images to aid the law enforcement community.

**Video Committee:** focused on the development of best practices for video recovery and analysis, as well as training guidelines.

One additional non-technical committee, the Quality Standards committee, provides overarching guidelines for the Digital and Multimedia Sciences communities on how to develop and implement a quality management system including topics such as validation, testing, and accreditation to support laboratory competence and continuous improvement.

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#### Digital Evidence, Video, Image