

2010 LEVA MAIN CONFERENCE SESSION DESCRIPTIONS

Wednesday – Friday, November 17 – 19, 2010

JOINT SESSIONS

License Plate Readers: License plate recognition (LPR) technology is one of the fastest growing technologies being deployed by law enforcement agencies in the U.S. This presentation will provide an overview of the technology and how it can aid investigations and increase operational efficiency in an agency. Hear about agencies' successes and challenges. LPR is an incredible tool, but it faces a lot of questions from privacy advocates. Learn how agency policies can be developed to maximize public support of the technology. *Presenter:* Mike Fergus, International Association of Chiefs of Police

FBI's Non-Traditional Video Delivery Method: How the FBI delivers video in a way you may have never thought possible. What makes the method such an invaluable tool? How can you use it to make an impact on your video projects? Strap yourself in. *Presenters:* Jarett Melville and Jon Day, FBI Academy.

Delivering the Workflow Pts 1 & 2: An Adobe extravaganza spotlighting a new workflow featuring Adobe Story, OnLocation, Premiere Pro, Editing in 3D Stereo (great for public awareness kiosks), After Effects, 3rd party plug-ins, Photoshop, Soundbooth and a few sneak previews! *Presenters:* Dave Helmly and Colin Smith, Adobe.

SEIZING DIGITAL EVIDENCE: ESSENTIALS AT THE SCENE

Mobile Phone Seizure Certification Pts. 1 & 2: Are you responsible for collecting and preserving evidence? Have you ever had to seize a mobile phone? Then what? This session will guide you through process and best practices to obtain a mobile phone seizure certification while at the LEVA conference! *Presenter:* Pam King, BK Forensics

Digital Evidence Collection Training Pt.1: This session is intended to assist State and local law enforcement and other first responders who may be responsible for preserving an electronic crime scene and for recognizing, collecting, and safeguarding digital evidence. First responders must use caution when they seize electronic devices. Improperly accessing data stored on electronic devices may violate Federal laws. *Presenter:* Steven Mueller, Defiance County, Ohio Sheriff's Office.

VIDEO / IMAGING TECHNOLOGY SESSIONS

John Russ -Legendary Imaging Scientist: Listen to, learn from and meet one of the most influential imaging pioneers in the world...John Russ. LEVA is very proud to host this session.

Tales from the DME Crypt: Horror stories exist in how DME evidence was collected, processed, preserved and presented. Minimize your cases' chances of being labeled misfortunate and embarrassing! This session will highlight instances of actual DME cases that were compromised and how to avoid the potentially unsavory consequences. Bring any stories you have and any solutions! *Facilitator:* Keith Swanson, Scottsdale, AZ Police Department

Virtual Dub: This session will provide an overview of VirtualDub, a free video capture and processing utility for 32-bit and 64-bit Windows platforms. You will receive a basic overview of the program and its capabilities, to include discussion on available plug-ins and filters.

While instructor led, the session is designed to be a collaborative learning environment where attendees can contribute their knowledge and experience.

Fifteen seats will be made available for remote attendees to participate in the class LIVE ONLINE via the Web! The first fifteen current LEVA members unable to attend this year's conference and who register for this session will be able to see, hear, and participate LIVE from wherever they may be! *Presenter:* Larry Compton, Forensic Video Solutions, CFVA

To register for one of the on-line cyber seats, contact LEVA Training VP Jan Garvin at training@leva.org.

HD-DSLR - Canon 5D/7D Production Understanding the Advantages and Limitations:

One of the most powerful and innovative new image acquisition tools to hit the streets since digital media was developed. You have got to see it to believe what extraordinary imagery you can capture using the still AND video capabilities. Some major TV shows produced in HD use this camera to record scenes saving them significant time and money. *Presenter:* Ernie Schaeffer. What you will learn about the camera:

- Formats
- Camera Settings
- Optimizing your video presets
- ISO
- Camera Setups and Monitoring
- Light
- Audio
- Storage
- Understanding H.264
- Understanding Color Space
- Avid HD-DSLR Workflow
- Final Cut Studio Workflow

Color Grading with Apple Color: You want to know or know more about color correction? How about color grading!?! Be prepared to be impressed as presenter Ernie Schaeffer unveils some techniques and applications even highly seasoned video professionals will find jaw dropped. You will learn:

- AVID to Color Workflow
- Primary Grading
- Secondary Grading
- Recreating Lighting
- Color FX
- Output and Digital Delivery

How The FBI Uses Video Games To Train Agents: Capturing the interest of generation Y. The FBI uses the same technology that is used to create entertainment video games, but with a more serious purpose: training Special Agents to plan arrests, clear rooms and make quick decisions in dangerous situations without getting killed. It's a challenge to integrate gaming technology to the curriculum at the world's foremost law enforcement training facility. But it was done and has proven to be an astounding advancement in the educational process for future FBI Agents.

LEVA EXHIBITORS will present a series of sessions showcasing technological advantages. In alphabetical order of company name:

Pixels-On-Target: Avigilon recognizes that over the past 50 years, video surveillance technology has evolved from single camera-to-VCR systems into complex, network based systems comprised of 10's, hundreds or even thousands of cameras managed by a single network video management system. The rapid expansion of these systems has failed to address the single most important aspect of and camera deployment; video quality. Chris Helin will discuss the state of the video surveillance industry, emerging trends and technologies that finally offer the promise of forensic detail using a basic "pixels-on-target" approach to system design and content management.

Debut of DME Acquisition Technology: Ed Baker of Ocean Systems will debut its newest software and evidence collection tool for the acquisition of digital media evidence. This unique software and tool combination is designed to make the acquisition of digital media evidence simple, accurate and affordable! Whether you're a *First Responder* or a *Forensic Video Analyst*, anyone responsible for the collections of digital video evidence from the wide variety digital video recording systems will not want to miss this presentation!

What's New in Media Composer 5: Avid Technology Applications Specialist Kevin Camoosa will present this session which includes: powerful new timeline editing capabilities, new file-based workflows for professional file-based acquisition formats (such as P2, XDCAM, GFCAM), working directly with QuickTime video formats, new drag and drop editing capabilities, Mix and Match formats, frame rates, and resolutions, in the same timeline, new audio editing capabilities, including stereo tracks and Real-Time AudioSuite Plug-ins (RTAS).

Interview Recording at Its Best: iRecord is the leading on-demand, digital video/voice recording system designed specifically for Law Enforcement, Custodial Interviews, and Child Advocacy Centers. The Benefits of ERI (Electronic Recording of Interviews) will be presented by Ryan Vogt and Rick Barretto. They will discuss the benefits of ERI, Technology Options and Configurations, Technology Grants, State Legislation and The Future of ERI Technology.

Distribution and Archiving of Video Surveillance: Rimage Corp. introduces the new VizX platform for photo/video evidence processing and demonstrates how automation can simplify distribution and archiving of video surveillance. James Krainock will discuss the technology behind the successful implementation of a Dutch centralized national database of photo/video evidence and give a demonstration of Rimage's technology for automated disc processing and video surveillance archiving.

Wireless Video: Through and On the Air: Premier Wireless will show you how you can get it from here to there with wireless video technology. Mike Long will cover the basics of wireless video including the advantages and disadvantages of analog vs. digital wireless systems, the a,b,g and n of the 802.11 standard and data security on wireless digital links.

Video and Chain of Custody: Coban Technologies has been a leader of in-car digital video solutions for over 8 years. David Hinojosa will be discussing different aspects of this video solution as it relates to law enforcement and the video "chain of custody". Emphasis will be placed on the capture, transfer, storage and media management of digital video.

Extreme Video Makeover!! Jim Weaver of MediaSolv showcases how one police agency went from burning 54,000 DVDs a year to streaming video to any police PC!!