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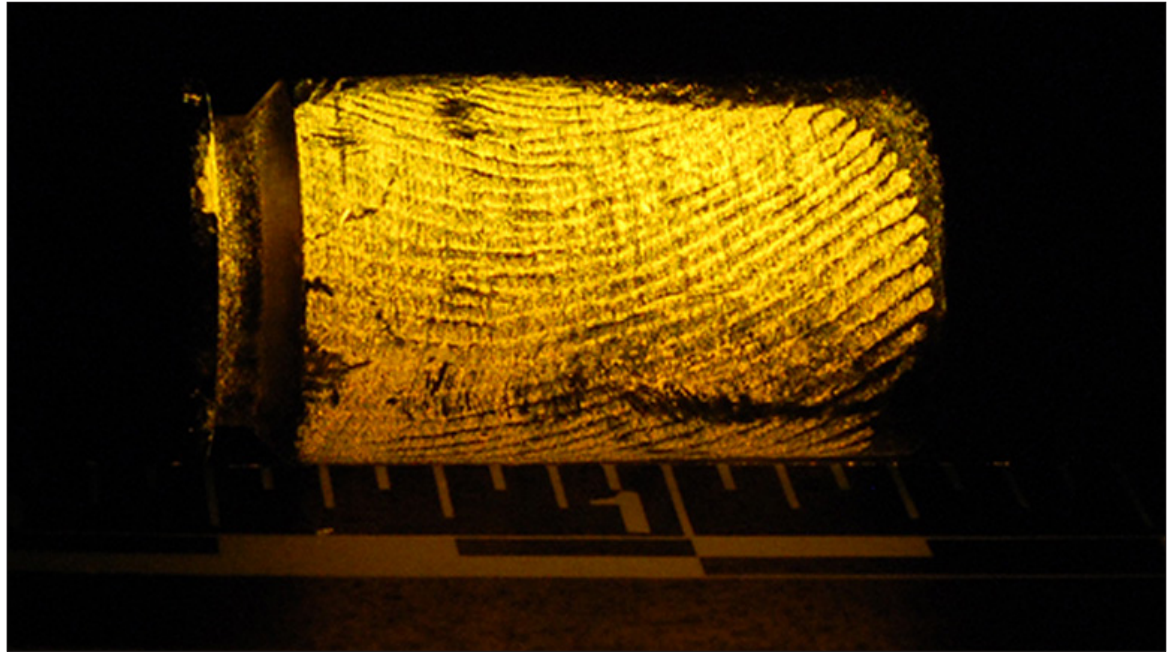
Courses are presented  
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# Alternate Light Source Workshop

**Instructors: Heidi Nichols, Phil Sanfilippo**

**October 2-3, 2017**

**Tuition: \$299**

Stanislaus County Sheriff's Department  
250 E. Hackett Road, Modesto, CA

#### Lodging information:

Best Western Palm Court  
2001 W. Orangeburg Ave, Modesto, CA  
209-521-9000

Room Rate: \$90 single or double occupancy plus tax.  
Mention TRITECH FORENSICS to receive the special rate.

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## ABOUT TRITECH

A leader in the forensics market, Tri-Tech Forensics provides evidence collection and crime scene investigation products and training to crime labs and crime scene investigators throughout the world. With over 30 years of experience, we are the nation's most proficient developer and manufacturer of forensic kits. We are committed to providing our customers with state-of-the-art forensics products and services at affordable prices. It is our goal, through our research and development program, to continue to develop superior products and training to aid in all aspects of crime scene investigation and crime lab analysis. We know how important our products and training are to the forensics community, from investigation to prosecution. Our mission is the same as our customers – *Identify. Protect. Preserve.*

## COURSE DESCRIPTION

# Alternate Light Source Workshop

Alternate Light Sources (ALS) are tools that can permit investigators to locate, process, and photograph otherwise invisible evidence. Understanding how these devices work is helpful in applying them correctly at the crime scene or in the laboratory. This course begins with a discussion of the properties of light and luminescence and culminates in the use of the ALS to visualize and photograph items of evidence. A review of basic photography and the use more advanced photographic techniques to optimize image quality will be included.

A variety of different types of Alternate Light Sources will be on-hand for use by the students. The ability to use different types of units will permit students to judge which type of light source best suits their needs and will assist lead-workers in establishing their agency's protocols, procedures, and workflow.

The types of evidence on which ALS units are commonly utilized include fingerprint evidence, trace evidence (like hairs and fibers, narcotics, gunshot residue, and body fluids), and bodily injuries. In-class hands-on exercises will include all of these types of evidence.

This course will heavily emphasize instruction using hands-on techniques. The students will photograph realistic evidence to observe the photographic results of

the techniques learned and used in class.

Due to the amount of hands-on training in this course, enrollment is limited to 20 students. Students are encouraged to bring the digital camera used in their work.

This is an advanced course; students are expected to have an understanding of basic photography and camera operation prior to attendance.

### Topics include:

- Basic Photography Review
- Mechanics of Luminescence
- Selection of Appropriate Light Sources including Cost Factors
- How to Obtain the Best Possible Photographic Results
- Photography of Biological Fluids and Other Biological Materials using Luminescence
- Photography of Latent Fingerprints and Trace Evidence using Luminescence/Phosphorescence
- Selection of Cameras, Lenses, and Accessories

## COURSE INSTRUCTORS

### HEIDI NICHOLS, CFPH

Heidi Nichols earned her Bachelor of Arts Degree (BA) in Biomedical and Forensic Photography with minors in Biology and Diving Education from Barry University in Miami, Florida in 1999. Heidi has since been employed



with the Miami-Dade County Medical Examiner Department as a Forensic Photographer, where she has gained extensive experience in autopsy and gross specimen photography and crime scene photography. During her time at the Miami-Dade ME's office she has become an expert in the use of Alternate

Light Source Photography and uses her knowledge to help other agencies to better understand and perform these techniques. In addition, Heidi provides lectures on Forensic Photography and provides training not only within the Medical Examiner Department but also with countless other outside agencies, including Immigration and Customs Enforcement, and Customs and Border Protection.

### PHIL SANFILIPPO

Phil's law enforcement career spanned nearly 33 years. He was employed by the Miami-Dade Police Department (MDPD) in Miami, Florida for over 30 years and retired at the end of 2011. For the last 18 years of his



career, Phil was the Coordinator of Forensic Training Programs at the Miami-Dade Public Safety Training Institute. As such, Phil was responsible for administering the department's Crime Scene, Fingerprint Identification, and other forensic related training courses. As a photography instructor, he was additionally responsible for teaching all of

the Department's photography-related courses. Students from agencies around the world attended these courses. Phil is a State of Florida Certified Law Enforcement Instructor and a Certified Evidence Photographer. He is a past-president and past chairman of the board of directors of the International Association for Identification (IAI), from 2010-2012.