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Courses are presented in partnership with the International Association for Identification.

#### ADA / Special Accommodations

To ensure we can accommodate persons with special needs who wish to attend our courses, please be sure to identify the accommodation needed when you register, or if applicable, at the time you register by phone.

#### Host a course

By hosting one of our courses, you will be providing your agency's personnel and the forensic professionals in your area with a high-quality training opportunity, right in your local area. This means less cost to you or your agency for expenses such as travel, lodging, and meals, and less time away from home and family. Plus, hosts can qualify for tuition savings. For more information, visit [tritechtraining.com](http://tritechtraining.com).



# Alternate Light Source Workshop

**Instructor:**

**Heidi Nichols, CFPH**

**September 18 - 19, 2023**

**8 am - 4:30 pm**

**Tuition: \$389**

**Location:**

Godbold Education Building  
2463 State Road 16 W  
Green Cove Springs, FL 32043

For lodging information, see the course page on [www.tritechtraining.com](http://www.tritechtraining.com).

This course has been approved for 16 hours of certification/re-certification training credit by the IAI Crime Scene Certification Board & IAI Forensic Photography Certification Board, and for 3 hours by the IAI Forensic Video Certification Board. \*North Dakota POST Certified for 16 hours of training credits.



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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 of 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 INSTRUCTOR

### HEIDI NICHOLS, CFPH



Ms. 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, crime scene photography and taking photographs of evidence.

During her time at the Miami-Dade ME's office Ms. Nichols 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 the Cayman Island Police Department, the Coronial Services of New Zealand, the Miami-Dade Police Department, Immigration and Customs Enforcement, and Customs and Border Protection.

Ms. Nichols received her Master of Arts (MA) in Crisis, Emergency and Disaster Management from Florida International University in Miami, Florida in 2018. She is a member of Florida Emergency Mortuary Response System (FEMORS), a group of professionals trained in mass fatality response. Deployments have included Hurricanes Irma and Michael and the Pulse Nightclub shooting.

Ms. Nichols is also certified as a Forensic Photographer through the International Association for Identification (IAI), the world's oldest and largest forensic science/identification association, a certification she has held since 2006. Ms. Nichols' photographs can be seen in numerous textbooks, and she also co-authored an article in 2010 entitled "Reflected Ultraviolet Digital Photography: The Part Someone Forgot to Mention" on the uses of Reflective Ultraviolet Photography in the Journal of Forensic Identification.