



To register, visit  
[tritechtraining.com](http://tritechtraining.com)  
or contact our  
Training Director  
Phil Sanfilippo at  
800.438.7884 ext.  
7800 or by email at  
[phil@tritechusa.com](mailto:phil@tritechusa.com).



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).



# Shooting Incident Reconstruction

**Instructors: Gary Graff, Iris Dalley**  
**June 3 -7, 2019**

**Tuition: \$629 | Hours: 8 am - 5 pm**

#### Location:

**Boynton Beach Fire Department | Station 5**  
**2080 High Ridge Road | Boynton Beach, FL 33426**

#### Lodging Information:

**TownePlace Suites by Marriott**  
**2450 Quantum Boulevard | Boynton Beach, FL 33426**

**Room Rate:** \$99 Studio King plus tax, \$109 One Bedroom King plus tax, \$119 One Bedroom Queen/Queen plus tax | **Booking Info:** Call Marriott's toll-free Reservation Line, 1-888-236-2427 or the Hotel directly at 561-375-6512. Identify yourself as a member of the Shooting Incident Reconstruction Course when making the reservation. All individual reservations must be received by the Hotel no later than May 19, 2019.

This course has been approved for the following certification/re-certification training credits: IAI Crime Scene Certification Board - 40 and IAI Forensic Photography Certification Board - 2.



To register, visit [tritechtraining.com](http://tritechtraining.com) or contact our Training Director Phil Sanfilippo at 800.438.7884 ext. 7800 or by email at [phil@tritechusa.com](mailto:phil@tritechusa.com).

## 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

# Shooting Incident Reconstruction

Modern investigators are frequently faced with the investigation of shooting incidents, some of which become controversial. Whether the incident is a criminal act, an act of self-defense, or the use of deadly force by law enforcement, the outcome of these investigations have far-reaching consequences. Investigators must effectively and accurately analyze these scenes so facts surrounding these incidents can be identified and accurately presented.

This comprehensive 5-day (40-hour) course, presented by veteran field investigators, is specifically designed for detectives, crime scene investigators, evidence technicians, and others involved in investigating shooting incidents. Validated methodologies are presented in lectures and practical exercises. Scenes will be analyzed to identify ballistic evidence, shooter and victim positions, sequence of events, and evidentiary relationships.

### Classroom and firearms range instruction and practical exercises include:

- Firearms and ammunition design and function.
- Physics of projectile motion.
- Proper identification, documentation and organization of firearms-related evidence.
- Gunshot wound ballistics and interrelationships of wounds and other evidence.
- Mathematics for trajectory analysis in crime scenes.

- Determining muzzle to target distances.
- Application of the scientific method to field analysis.
- Reconstructing the shooting event through recognizing and correlating evidentiary relationships between evidence in the scene, forensic analyses, and subject/witness statements.
- \*Trajectory analysis through rodding, laser, trigonometry and stringing.
- \*Demonstration and analysis of bullet interactions with various materials including glass, metal, concrete, wood, motor vehicles, bone and dirt. Commonly held perceptions will be challenged.

All main concepts are reinforced through hands-on practical exercises using case scenarios.

- \* Includes exercises conducted at a shooting range.

### Class Requirements:

Course is designed to develop knowledge and "hands-on" experience for shooting incident scene analysis. Prior investigative or crime scene experience is recommended.

Attendees should bring a camera for documenting evidence and an electronic device with USB connection, preferably a laptop computer, to access and save digital handouts, case materials, and fillable forms used in lecture and practical exercises.



To register, visit [tritechtraining.com](http://tritechtraining.com) or contact our Training Director Phil Sanfilippo at 800.438.7884 ext. 7800 or by email at [phil@tritechusa.com](mailto:phil@tritechusa.com).

## 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 INSTRUCTORS

# Gary Graff and Iris Dalley Graff

## GARY GRAFF



Gary W. Graff, retired FBI Special Agent, investigated violent crimes, sex crimes, fraud and property crimes. He specialized in complex cases, many of which were coordinated with state and local law enforcement. He has substantial trial and testimonial experience and extensive training and experience in crime scene processing, sketching and reconstruction, shooting incident reconstruction, and blood stain pattern analysis. He was a certified police instructor, SWAT member and instructor, firearms instructor, and member of the FBI's Evidence Response Team. Mr. Graff has a Bachelor of Science degree in Electrical Engineering and is a graduate of the FBI National Academy. He provides instruction in general investigative methods, crime scene and shooting incident reconstruction and bloodstain pattern analysis.

## IRIS DALLEY



Iris Dalley Graff served as a Special Agent for the Oklahoma State Bureau of Investigation (OSBI), retiring in 2009. During her career, she conducted laboratory analysis, crime scene investigation, and worked with various police agencies in processing and investigating hundreds of violent crime cases. Iris has a B.S. in Biology and Masters in Secondary Sciences. Iris is a Fellow and Distinguished Member of the Association for Crime Scene Reconstruction and former president of the International Association of Bloodstain Pattern Analysts. Iris has decades of experience in providing case consultation, expert testimony, forensic analysis and instruction in bloodstain pattern analysis, crime scene reconstruction, and shooting incident reconstruction, in the United States and other countries.

## TESTIMONIALS

"Thank you very much for all your effort in putting together such an extensive class material. The class was a wealth of important, interesting information. I appreciated every second of your presence because it could easily be noticed your dedication, your passion and the love of sharing." **Camelia Mauro, Crime Scene Technician, Florida**

"I want to thank you and Iris for one of the most challenging and informative classes I've ever attended. I have a feeling of accomplishment having successfully completed this course. Your dedication to Law Enforcement and teaching the best class I've ever attended shows! Thank you again!" **Aldo Legge, Detective Sergeant, Pennsylvania**