



*Presents*

## ***Force Encounters Analysis: Understanding Human Performance during Critical Incidents***

***Hosted by Spokane Police Department, Tuition \$290.00***

***Dates: February 17-19, 2015***

**California Training Institute has developed a practical and understandable course on Force Encounters Analysis, based on unbiased scientific evidence pertaining to officer involved use of force (UOF).** LE professionals can now apply ground-breaking concepts revealed in force science research when engaging in force encounters, and when investigating, reconstructing, recalling or otherwise analyzing a UOF incident. Concepts include reaction times, perceptual distortions, narrowed vision, language limitations, & memory gaps.

**The course work will identify physical and psychological phenomena associated with human behavior and demonstrate how it can impact performance under stress.** Course work covers the science of human dynamics in the midst of a high-stress encounter and will help build a bridge between the latest academic research and the law enforcement environment.

**Force Encounters Analysis will expand knowledge of clear-cut, scientific evidence to include biomechanical and cognitive elements and will strengthen his or her analytical skills. Topics include:**

- Why might statements conflict with forensic evidence? How perceptual distortions & stress-induced memory gaps impact accurate recall.
- Why are suspects shot in the back by well-trained officers making valid decisions? Scientific facts about force science speed studies & the truth about time: How long it really takes to start – and stop – shooting.
- How investigators can best ‘mine’ officers’ memories in a post-incident interview and avoid common interviewing mistakes that can put the officer, the investigator and the entire department in jeopardy.
- How to analyze vital elements of a controversial use of force that are often overlooked.
- What ready position is really best for reducing reaction time in an armed encounter?
- Why officers in high adrenalin confrontations continue to fire after the threat has ended.
- Facts about speed studies and how quickly suspects can launch an attack as opposed to an officer who must take the time to determine threat before taking action.

What a course participant will come to understand during Force Encounters training are the critical hidden truths about the physical and mental dynamics of life-threatening events, particularly officer-involved shootings. The findings delivered in our course material have been directly credited with saving officer lives on the street and with preventing some officers from being unfairly convicted of criminal use of deadly force.

**The course is relevant for:**

- Sworn Officers & SWAT                      Force investigators
- Managers and Supervisors                Use-of-force trainers
- Critical Incident teams                      Police psychologists and Internal Affairs

**For a complete list of the Course Terminal Learning Objectives, visit [www.CTI-home.com](http://www.CTI-home.com).  
Some key points are:**

1. Analyze and investigate a lethal force encounter and explain the human factor forensics involved.
2. Predict an officer's and suspect's reaction time and the biomechanics of lethal force encounters.
3. Describe how fear (threat) is processed by the nervous system and how the components of the Limbic System communicate with each other to deal with the threat.
4. Describe the fight or flight response triggered by the Limbic System and the basic positive and negative effects on the physiological, perceptual, and cognitive systems.
5. Describe the concept of hormonally induced heart rate and be able to predict performance given a specified heart rate.
6. Describe the physiological, perceptual, and cognitive problems we experience under stress.
7. Describe how we make decisions in normal situations vs. under stress.
8. Understand the basic principles of total response time, including its components and the factors that affect those components.
9. Understand the limits of human reaction time in order to judge our own performance and that of others based on what we can do in fractions of a second.
10. Understand the biomechanics and timing of shooting from different positions for both officers and suspects.
11. Using this information compare an officer's response time to a suspect's initiation of a gunfight to determine the probability of a successful encounter.
12. Understand how officers recall information from an OIS situation during an interview.
13. Discuss the advantages and disadvantages of the traditional police interview versus the cognitive interview.

**Certified Force Science Analyst, Craig E. Geis**, is Co-Founder of CTI and has extensive background in error and risk management. Mr. Geis was a career army pilot, developed the military's Team Resource Management (TRM) training program to address human error, and is a former instructor for the U.S. Military Academy at West Point, Embry Riddle Aeronautical University, University of Maryland, and University of San Francisco. Craig holds an MA in Psychology from Austin Peay State University, a BA in Management from C.W. Post College in New York, and an MBA in Management from Georgia Southern College.

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