

# National Forensic Science Technology Center Training Capabilities

Kevin Lothridge, CEO

April 11, 2017

Presented at

National Commission on Forensic Science,

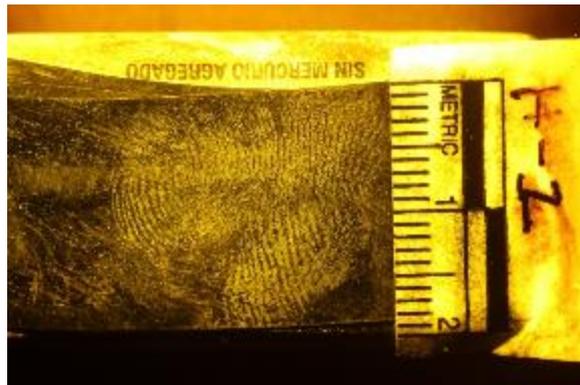
Meeting 13

Training and Education Panel

# Training Capabilities

We provide training to US and international crime laboratories, law enforcement & military

- Analyst and crime scene training
- Mobile Training Teams (MTT)
- Site Exploitation (“CSI for the Battlefield”)



# Training Development

- Instructional design staff
- Subject matter experts
- DEA License
- Web-based, instructor-led or blended delivery expertise
- NFSTC Online Learning System (NOLS)



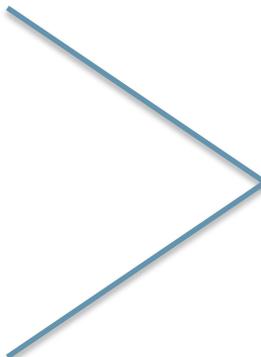
- NFSTC Online Learning System (NOLS)
- Affordable, available 24/7
- Self-paced, can combine with instructor-led

## Online Courses:

- Introduction to CSI
- Intermediate CSI
- Forensic Biology
- Digital Crime Scene Photography
- DNA Analyst



- Online training: **+20%**
- YouTube: **1,900+ subs/ 400k views**
- Forensic Science Simplified: 700k in 2016
- Of Top 10 on [nfstc.org](http://nfstc.org) (2017):
  1. Free online training
  2. Intro to CSI (online course)
  3. CSI Guide (download)
  4. Online Courses
  5. DNA Analyst online training
  6. Forensic Training



**This is the  
need.**

# Civilian CSI and Military Site Exploitation Training

Scene management, documentation and evidence collection techniques:

- Biological (DNA, bioscreening)
- Trace
- Chemical
- Latent Print
- Footwear/Tire Track
- Toolmark
- Firearms
- Digital



- [www.forensicssciencesimplified.com](http://www.forensicssciencesimplified.com)
- [YouTube.com/thenfstc](http://YouTube.com/thenfstc)
- [Fauxrensicis](http://Fauxrensicis)



# After the Fact

- [www.csi-skills.com](http://www.csi-skills.com)
- Only online CSI skills assessment
- Interactive scenes to test knowledge and skills.
- Internationally developed, used by AU and UK



- Presumptive screening
  - Colorimetric tests
  - Handheld devices
- Material identification and collection
  - Explosive materials
  - Illegal drugs
  - GS-MS



# Biometrics

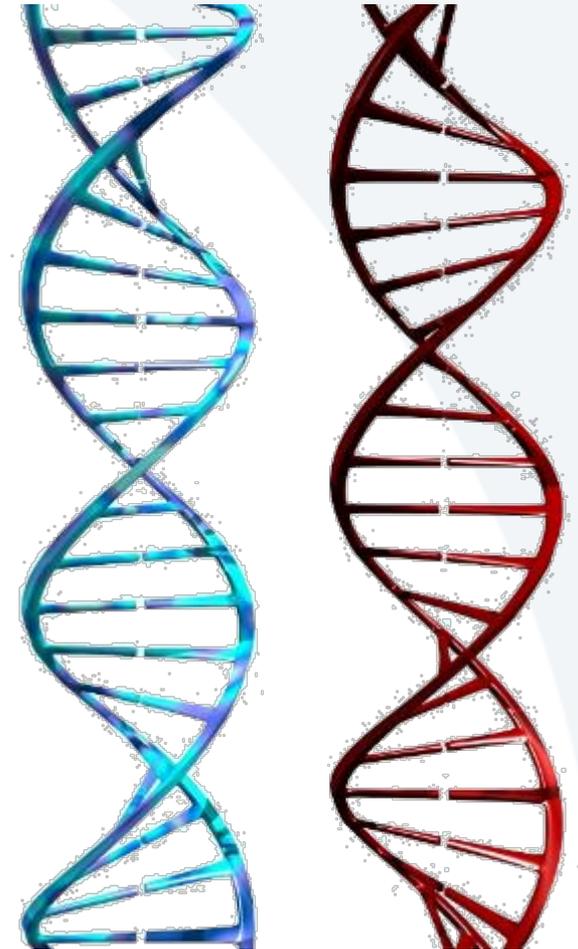
- Sample collection
- Enrollment of persons of interest
- Elimination or presumptive identification
- Data use and communication



# DNA Analysis

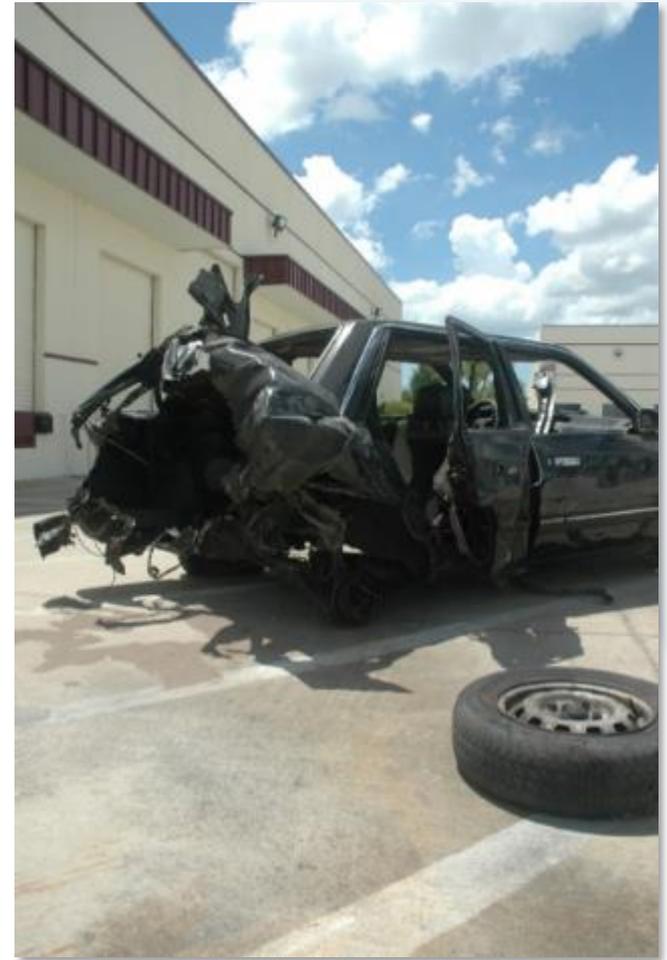
## Online theoretical:

- Forensic biology
  - DNA extraction and quantitation
  - DNA amplification
  - Capillary electrophoresis
  - Population genetics and statistics
  - Analysis and interpretation
- Workshops, instructions, sample packs, and more



# IED/HME Awareness and Investigation

- Threat assessment
- Effects of explosives
- IED components, design and construction
- Investigation and reconstruction pre-and post-blast



# Forensic Science Training Gaps

- Unified, consistent content and quality
- Life cycle support
- Access
- Officers of the Court
- Fragmented requirements and lexicon





NFSTC

8285 Bryan Dairy Road, Suite 125

Largo, FL 33777

(727)395-2511 | [www.nfstc.org](http://www.nfstc.org)