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### How laser scanning and hand held devices are changing scene?

With the advent of laser scanning and the new hand held capture devices, forensic evidence capture has entered into a new era. Conventional capture methods and techniques are laborious and time consuming. The latest generation of 3D Laser Scanners can capture millions of data points per seconds, scan in cramped spaces and are capable of scanning while inverted when evidence. Crime Scene Investigators and Technicians can now more accurately and quickly document scenes of all types. The same technology is applicable to accident reconstruction as well and can assist in the prosecution of vehicular homicides. The logical extension of Laser Scanning technology is presentation of the evidence at trial. This truly brings television's CSI style of graphics into any courtroom in the US. Evidence can be presented in a compelling, tactile manner. While the application of 3D Laser Scanning is relatively new to criminal prosecution, it is making significant inroads in our legal system. This presentation will include case examples, capture methods as well as deliverable illustrations.

### Biography

David J Dustin is the President of Dustin Forensics in Adairsville, GA. Mr. Dustin began his career in industrial automation field (robotics, programmable logic controllers, industrial laser engraving) and moved to project management. The project management phase included advanced installations of equipment at major manufacturing corporations in the US (Caterpillar, Michelin). Initially started as a hobby, he started a forensic animation company to create animations depicting/recreating everything from surgical procedures; vehicular related events (crashes) to Police involved shootings. A natural progression was to embrace 3D Laser Scanning. Since the integration of 3D Laser scanning, he has gone on to become a recognized expert in the areas of 3D Laser scanning for crime scenes as well as in the investigation of vehicular related events (vehicular homicide) working numerous high profile cases across the US. He is a certified trainer for Faro 3D Laser scanners, and is one of three forensic trainers in North America. Trainees include NCIS, US Army Criminal Investigation Laboratory (USACIL) as well as numerous Police and Sheriff's agencies.

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