

# **SETH J. BEHRENS, P.E., DFE**

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## **PUBLICATIONS**

1. David Huskey, Seth Behrens, and Wade Bartlett. "A Comparison of Light Detection and Ranging (LIDAR) Measurements to Accepted Industry Practices." Accident Reconstruction Journal, Volume 32, No. 3. (May/June 2022).

## **SPEAKING ENGAGEMENTS**

1. "Introduction to Forensic Engineering and Accident Reconstruction." Speaker. Sierra Verde STEAM Academy. Glendale, AZ. 2025.
2. "Emerging Technology and Modern Investigations." Speaker. Hexagon Public Safety and Forensics Conference. Portsmouth, UK. 2025.
3. "Application of 3D Data Utilizing Photogrammetry and Matchmoving in Accident and Shooting Investigations." Speaker. Hexagon Public Safety and Forensics Conference. Portsmouth, UK. 2025.
4. "Recon3D Handheld iPhone Scanning for Forensics." Speaker. Knott Laboratory. Glendale, AZ. 2025.
5. "Introduction to Forensic Engineering and Accident Reconstruction." Speaker. Sierra Verde STEAM Academy. Glendale, AZ. 2024.
6. "Accident Reconstruction." Speaker. Experts University Conference. Centennial, CO. 2024.
7. "Drone Operations and Best Practices." Speaker. Knott Laboratory. Glendale, AZ. 2024.
8. "Light and Medium Duty Trailer Design." Speaker. Knott Laboratory. Glendale, AZ. 2023.
9. "Tesla Event Data Recorder (EDR) Data Download and Analysis." Speaker. Knott Laboratory. Glendale, AZ. 2023.
10. "Introduction to Vehicle Accident Reconstruction and Available Vehicle Data." Speaker. PLRB 2022 Eastern Regional Adjusters Conference. Providence, RI. 2022.
11. "Vehicle Accident Investigation and Reconstruction." Speaker. Bluegrass Claims Association. Lexington, KY. 2022.
12. "Accident Investigation, Reconstruction and Fleet Safety." Speaker. Western Energy Institute Fleet Conference 2020. Salt Lake City, UT. 2020.
13. "Berla Vehicle Data." Speaker. EFI Global, Inc. Tolleson, AZ. 2020.
14. "Vehicle Infotainment System Data – How Much Data Are You Sharing?" Speaker. Arizona Insurance Claims Association. Phoenix, AZ. 2020.
15. "Accident Investigation and Reconstruction for Fleet Vehicles." Speaker. Western Energy Institute Fleet Management Conference 2019. Salt Lake City, UT. 2019.
16. "Use of Technology in Forensic Investigations – Laser Scanners, Drones, and Photogrammetry." Speaker. EFI Global, Inc. Live Burn 2018. Phoenix, AZ. 2018.

## **SPECIALIZED TRAINING**

1. "The Geometry of Safety: Understanding Conflict Points and Innovative Roadway Design." Training. Knott Laboratory. Centennial, CO. 2026.
2. "Residential & Commercial HVAC, Plumbing & Appliances Part 1." Training. Knott Laboratory. Glendale, AZ. 2025.
3. "Video Analysis - Matchmoving and Object Tracking." Training. Knott Laboratory. Glendale, AZ. 2025.
4. "Point Clouds – Point Cloud Registration and Processing." Training. Knott Laboratory. Glendale, AZ. 2025.
5. "Examining DeltaV from an EDR File with Excel." Training. NAPARS. Glendale, AZ. 2025.
6. "Forensic Investigations." Training. Knott Laboratory. Glendale, AZ. 2025.

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7. "Analyzing Timing Accuracy in Video Evidence." Training. Hexagon Public Safety and Forensics Conference. Portsmouth, UK. 2025.
8. "The Optimized Field Retrieval of Audio-Visual Surveillance Media." Training. Hexagon Public Safety and Forensics Conference. Portsmouth, UK. 2025.
9. "Evidential Storytelling." Training. Hexagon Public Safety and Forensics Conference. Portsmouth, UK. 2025.
10. "Recon-3D Training and Certificate Course." Training. Recon-3D. 2025.
11. "Building Charts in Excel." Training. NAPARS. 2025.
12. "Speed from Video." Training. Lightpoint. Virtual. 2024.
13. "Toyota Techstream and Bosch CDR Update." Training. SATAI Fall Conference. Glendale, AZ. 2024.
14. "Response 2024 Human Factors User Forum." Training. Driver Research Institute. Long Beach, CA. 2024.
15. "Recon-3D User Group Forum." Training. Recon-3D. 2024.
16. "Ethics for Forensic Engineers." Training. National Academy of Forensic Engineers. 2023.
17. "Getting Started with Point Cloud Data." Training. Knott Laboratory. 2023.
18. "Advanced Photogrammetry for Collision Reconstruction." Training. Lightpoint Scientific, Tempe, AZ. 2022.
19. "Event Data Recorder Use in Traffic Crash Reconstruction – Level 2." Training. Institute of Police Technology and Management. Scottsdale, AZ. 2021.
20. "Pedestrian/Bicycle Crash Investigation." Training. Institute of Police Technology and Management. Glendale, AZ. 2021.
21. EDR Summit 2019. Training. Crash Data Group. Houston, TX. 2019.
22. "Accident Reconstruction with Heavy Vehicle Event Data Recorders." Training. MSC Recon. Mesa, AZ. 2018.
23. "FAA Part 107 Test Prep and Training Course." Training. Drone Pilot Ground School. Phoenix, AZ. 2018.
24. "Berla i ve Vehicle Systems Forensics." Training. Berla Corporation. Annapolis, MD. 2018.
25. "Bosch Crash Data Retrieval Tool Technician Training." Training. Institute of Police Technology and Management. Tempe, AZ. 2018.
26. "ATA CFR 49 Part 396.25 (A) Meritor Air Brake Training." Training. Meritor. Phoenix, AZ. 2017.
27. "Using Microsoft Excel for Traffic Crash Reconstruction." Training. Rich Consulting. Scottsdale, AZ. 2017.
28. "Faro Scene 6 3D Laser Scanner Training." Training. Eugene Liscio. Mesa, AZ. 2017.
29. "Event Data Recorder Use in Traffic Crash Reconstruction Level 1." Training. Institute of Police Technology and Management. Tempe, AZ. 2017.
30. "Laser Scanner Training." Training. Faro. Los Angeles, CA. 2017.
31. "Forensic Investigation." Training. Unified Investigations and Sciences. Denver, CO. 2016.
32. "Advanced Fastener Seminar." Training. Fastenal. Tempe, AZ. 2016.
33. "Autodesk Inventor 3D Modeling and Stress Analysis." Training. Autodesk. Tempe, AZ. 2014.
34. "Computational Fluid Dynamics." Training. Autodesk. Tempe, AZ. 2013.
35. "Objet 3D Printer Operations." Training. Stratsys. Tempe, AZ. 2013.

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36. "Diagnosing Material Failures Seminar." Training. American Society of Mechanical Engineers. Tucson, AZ. 2011.
37. "AutoCAD Mechanical." Training. Autodesk. Tempe, AZ. 2010.
38. "Internal Combustion Engines." Training. Arizona State University. Tempe, AZ. 2009.
39. "MATLAB Programming." Training. Arizona State University. Tempe, AZ. 2008.