David G. Huskey, BSCE, MBA, PE, ACTAR

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Biography

Mr. Huskey is a licensed Professional Engineer in 17 states and an accredited Accident Reconstructionist. After obtaining his Bachelor of Science in Civil Engineering from the University of Tennessee, he has continued his education at Northwestern University, University of North Florida, Institute of Police Technology and Management (IPTM), earned his MBA at Carson Newman University as well as continuing education courses from the State of Tennessee and the Federal Highway Administration (FHWA) and many other venues. Mr. Huskey has a diverse background that includes roadway design and geometric analysis that seamlessly combines with a background in accident reconstruction. His reconstruction background includes specific training in and experience in, but not limited to: passenger vehicle collisions, motorcycle collisions, commercial vehicle collisions, pedestrian collisions, bicycle collisions, maintenance of traffic and construction zone signing and marking.

Professional Experience

2025-Current | Senior Vice President
2023 -2025 | Senior Managing Engineer | YA Engineering Services
2023 - 2023 | Senior Consulting Engineer | Bloomberg Consulting
2010 - 2023 | Senior Forensic Engineer | EFI Global
2004 - 2009 | Senior Forensic Engineer| Branch Manager | Donan Engineering Company
2003 - 2004 | Project Manager | Ryabik, Moore and Associates, Inc.
2001 - 2003 | Transportation Analyst | Project Manager | Zook, Moore and Associates, Inc.
1999 - 2001 | Roadway Specialist II | Tennessee Department of Transportation

Education

University of Tennessee | Bachelor of Science | Civil Engineering | Knoxville, Tennessee
Carson Newman University | Masters | Business Administration | Jefferson City, Tennessee

Credentials

BSCE | Civil Engineering | Bachelor of Science
MBA | Business | Master of Business Administration
PE | Professional Engineer
FAACDP | FAA Certified Drone
ACTAR | Accreditation Commission for Traffic Accident Reconstruction (# 1328)
Crash Data Retrieval Operator and Analyst | CDR

Areas of Practice

Accident Reconstruction- Automobile, Commercial, Motorcycle, Pedestrian, etc.
Failure Analysis
Heavy Trucking
Litigation Support
Tire Failure Analysis
Vehicle Electronic Data Download
Roadway Signage
Maintenance of Traffic
Roadway Design
Construction Zone MOT

Affiliations

Accreditation Commission for Traffic Accident Reconstruction (ACTAR)
MENSA
International Network of Collision Reconstructionists (INCR)
CDR Users Group
National Association of Professional Accident Reconstruction Specialists (NAPARS)
Washington Association of Technical Accident Investigators (WATAI)
Society of Automotive Engineers (SAE)

Licenses

108199	Tennessee	Professional Engineer
23929	Kentucky	Professional Engineer
16748	Mississippi	Professional Engineer
30799	North Carolina	Professional Engineer
70105	Ohio	Professional Engineer
24138	South Carolina	Professional Engineer
041134	Virginia	Professional Engineer
030333	Georgia	Professional Engineer
13972	Arkansas	Professional Engineer
30759	Alabama	Professional Engineer
2006013889	Missouri	Professional Engineer
PE71151	Florida	Professional Engineer
PE080555	Pennsylvania	Professional Engineer
Civil 52131	Massachusetts	Professional Engineer
PE40437	Louisiana	Professional Engineer
52246	Maryland	Professional Engineer
23118	West Virginia	Professional Engineer
4792287	United States Federal Aviation Administration	
	Remote Pilot Small Unmanned Aircraft System	

Publications and Presentations

Huskey, D.G., Behrens, S., Bartlett, W., A Comparison of Light Detection and Ranging (LIDAR) Measurements to Accepted Industry Practices, Accident Reconstruction Journal, May 2022

Specialized Education

- Kia/ Hyundai/ Genesis ADAS/ EDR Research, NAPARS, Kent Boot, 2026
- Motorcycle Crash, NAPARS, Wade Bartlett, 2026
- MVA Occupant Kinematics, NAPARS, Greg Sullenberger, 2026
- Response User Forum, Driver Research Institute, Muttart, 2026
- Beyond the Last Precrash Speed Value, NAPARS, Bartlett, 2025
- Finding A/B Stiffness Values from NHTSA Data, Dan Vomhof III, 2025
- TBI in Low-Severity Crashes, Stephen Wagner, NAPARS, 2025
- Commercial Vehicles, NATARI, 2024
- Tire Exams, TJ Tennett, NATARI, 2024
- Horrible Crash Reconstruction: Learning from Others Mistakes, Jeffrey Muttart, NATARI, 2024
- Portable and Economical Scanning for Collision Reconstruction, Eugene Liscio, NATARI, 2024
- Video Analysis, Josh Guthrie, NATARI, 2024
- Crash Analysis using EDR Data, Michael Weyde, NAPARS, 2024
- Heavy Vehicle Data Recorder (HVEDR) Use in Traffic Crash Investigation Analyst Training, Forensic Training Group, 2024
- Determining Vehicle Speed from Audio Recording, NAPARS, Alan Moore, 2024
- Illuminating the Truth: A Systematic Approach to Nighttime Crash Scene Investigations, NAPARS, Dr. Jeffrey Muttart, 2024
- Monte Carlo Analysis, NAPARS, Wade Bartlett, 2023
- ADA Standards for Accessible Design, Process Engineering Consultants, 2023
- An Intro to Pavement Overlays, Process Engineering Consultants, 2023
- Statistics for Crash Analysis, NAPARS, Wade Bartlett, 2023
- Advanced Driver Assistance Systems & Crash Analysis, Alan Moore, 2023
- Human Factors in Accident Reconstruction, Dr. Susan Lantz, 2023
- Aerial Photogrammetry for Crash Reconstruction, Andrew Klane, 2023
- EDR Update, NAPARS, Andy Rich, 2023
- Vehicle Dynamics, NAPARS, Adam Heide, 2022Vehicle Spin Analysis, NAPARS, George Meinshein, 2022
- Heavy Vehicle Post Crash Inspection, Forensic Training Group, 2022
- Photos// Videos in Human Factors Analysis, JS Forensic Consulting, 2021
- Human Factors Considerations in Motorcycle Incidents, Axiom Forensic, 2021
- Retroreflective Materials, JS Forensic Consulting, 2021
- Object Detection, JS Forensic Consulting, 2021
- Tools, Technology and Techniques for Human Factors Analysis, Messerschmidt Safety Consultants, 2021
- Looming, Dr. John Lloyd, 2021
- How Far Do Headlights Illuminate?, Clearly Visible Presentations, 2021
- Photometry for Forensic Investigations, Clearly Visible Presentations, 2021

- Tools, Technology & Techniques for Human Factors Analysis, Messerschmidt Safety Consultants, 2021
- Distracted Driving: Causes and Consequences, Dr. John Lloyd, 2021
- Drivers' Recognition of Objects at Night: The Influence of Driver Expectation (Information), Crash Safety Solutions, 2021
- Perception Response Time and the 1.5 Second Myth, Crash Safety Solutions, 2021
- What is HF, Equipment and Tools, Messerschmidt Safety Consultants, 2021
- Tire Forensics, 2021
- Click 3D Photogrammetry, 2021
- Bosch CDR Tool Technician Training, 2020
- Design of Conduits, Culverts and Pips, 2020
- Construction Site Stormwater Runoff Control, 2020
- Inspection of Highway and Rail Transit Tunnels
- History of Coastal Engineering, 2019
- History of the Gulf Intracoastal Waterways, 2019
- Pavement Maintenance Management, 2019
- Pavement Seal Coating Practices, 2019
- Traffic Controllers Phasing Sequence and Signal Timings, 2018
- Low Cost Traffic Engineering Improvements, 2017
- Roadway Vertical Alignments, 2017
- Modern Roundabout Design, 2017
- Roadway Horizontal Alignments, 2017
- Ethics, Professionalism and Disciplinary Actions, 2016
- Laws/ Rules, 2016
- Vehicle Dynamics, Kinetic Energy/ Work Energy, Critical Speed, Time-Distance, Vehicle Damage, Lamp Examinations, Tire Inspections, Airborne, Human Factors, Vector Analysis, Linear Momentum
- CDR Technician Level Two, Collision Safety Institute, 2014
- IDRR Workshop. Dr. Jeff Muttart. 2014
- Optics, Lighting, and Visibility. Forensic Photography. Clearly Visible Presentations. 2013
- MUTCD Part 2C: Warning Signs (CEE, Inc.), 2012
- MUTCD Part 5 A-G: Traffic Control Devices for Low Volume Roads (CEE, Inc.), 2012
- Low Cost Treatments for Horizontal Curve Safety (CEE, Inc.), 2012
- MUTCD Part 1 Chapter 1A: General (CEE, Inc.), 2012
- MUTCD Part 6 Chapter 6A-E: Temporary Traffic Control (CEE, Inc.), 2012
- MUTCD Part 6F: Temporary Traffic Control Zone Devices (CEE, Inc.), 2012
- MUTCD Part 6 Chapter 6G: Type of Temporary Traffic Control Zone Activities (CEE, Inc.), 2012
- Crash Data Retrieval (CDR) Technician Course, Software 3.3x, Collision Safety Institute, 2010
- Crash Data Retrieval (CDR) Analyst Course, Software 3.3x, Collision
- Safety Institute, 2010
- Validation for the Use of the Drag Sled in Determining a Reasonable Range for the Coefficient of Friction in Traffic Crash Reconstruction, (IPTM), 2009
- The Application of the Throw Distance Formulae, (IPTM), 2009
- Commercial Motor Vehicle Foundation Brakes, (IPTM), 2009
- CDR Release 3.1, (IPTM), 2009

- Lamp Analysis, (IPTM), 2009
- Damage Profile Analysis, (IPTM), 2009
- Airborne Trajectories and Analysis, (IPTM), 2009
- Single-Image Planar Rectification and Multi-Image and Close-Range, (IPTM), 2009
- Photogrammetry in Crash Reconstruction, (IPTM), 2009
- Jersey Barrier Crash Testing, (IPTM), 2009
- Low Speed Impacts, Dr. Winthrop Smith, 2008
- Automotive Technology: Passenger Cars and Light Trucks- Brakes, Tires, Electrical, Restraints, "Black Box", Flammables, Combustibles and Ignitable Liquids, Steering and Suspension, Engine, Transmission and Driveline, Donan Engineering, 2008
- Special Problems in Traffic Crash Reconstruction, University of North Florida, (IPTM), 2008
- An Effective and Accepted Traffic Safety Program, University of North Florida, IPTM), 2008
- Sudden Acceleration Incident Investigation, University of North Florida, (IPTM), 2008
- Event Data Recorder Update, University of North Florida, (IPTM), 2008
- Driver Response Choice and Times, University of North Florida, (IPTM), 2008
- Validating the "f" in Searle, University of North Florida, (IPTM), 2008
- The Science of Defining Safe Roads for Traffic Crash Investigation and Reconstruction, University of North Florida, (IPTM), 2008
- Case Analysis of a 300 Foot Projection of a Pedestrian and Vehicle Collision, University of North Florida, (IPTM), 2008
- A Comparison of Equations for Estimating Speed Based on Maximum Static Deformation for Frontal Narrow Object Impacts, University of North Florida, (IPTM), 2008
- Accounting for Impulse and Rotation: An Application to Left Turn, Failure-to-Yield Collisions, University of North Florida, (IPTM), 2008
- Conservation of Linear Momentum-Multiple Departure, University of North Florida, (IPTM), 2008
- Pedestrian/ Bicycle Crash Investigation, University of North Florida, (IPTM), 2007
- Motorcycle Crash Investigation, University of North Florida, (IPTM), 2006
- Indoor Air Quality (IAQ). Measurements, 2006
- HVAC Systems and Indoor Air Quality, 2006
- Traffic Accident Reconstruction II, Northwestern University, 2004
- Inspection and Investigation of Commercial Vehicle Crashes, (IPTM), 2003
- Accident Reconstruction for Engineers, Northwestern University, 2002
- Crash data Retrieval System-Operators Certification Course, Collision Safety Institute, 2005
- Traffic Accident Reconstruction II, Northwestern University, 2004
- Tennessee Transportation Assistance Program (TTAP) Roadside Design, (FHWA), 2002
- Manual on Uniform Traffic (MUTCD), Control Devices, State of Tennessee, (FHWA), 2000
- Technician Qualifications for Soils and Aggregates, State of Tennessee, 2000
- The American Association of State Highway and Transportation Officials (AASHTO) Roadside Design Guide, State of Tennessee, (FHWA), 1999
- (TTAP) Site Impact Analysis, State of Tennessee, 1999

FIELD TESTING

- 2009 Multi-Car In-Line Crash Testing

- 2009 Barrier Crash Testing
- 2009 Nighttime Visibility and Conspicuity
- 2008 Vehicle Deceleration Testing
- 2008 Nighttime Visibility and Conspicuity
- 2008 Articulated Vehicle Angular Impact Testing
- 2008 Deceleration of Fiberglass Bottom Objects
- 2008 Linear Momentum- Multiple Departure
- 2007 Nighttime Visibility and Conspicuity
- 2007 Vehicle Deceleration Testing (Yaw, Critical Velocity)
- 2007 Vehicle Deceleration Testing (Slide to Stop)
- 2007 Dynamic Impact Testing (Pedestrian)
- 2007 Dynamic Impact Testing (Bicycle)
- 2007 Bicycle Deceleration Factors (On-Side)
- 2007 Bicycle Impact Testing
- 2007 Pedestrian Deceleration Factors (Slide to Stop)
- 2007 Pedestrian Deceleration Factors (Tumbling)
- 2007 Pedestrian Impact Testing
- 2006 Nighttime Visibility and Conspicuity
- 2006 Vehicle Acceleration
- 2006 Motorcycle Static and Dynamic Lean
- 2006 Motorcycle Acceleration Testing
- 2006 Motorcycle Deceleration Testing (Front, Maximum)
- 2006 Motorcycle Deceleration Testing (Rear, Maximum)
- 2006 Motorcycle Deceleration Testing (Front and Rear, Normal Stop)
- 2006 Motorcycle Deceleration Testing (Front and Rear, Maximum Stop)
- 2006 Motorcycle Deceleration Factors
- 2006 Motorcycle Maneuver Testing
- 2005 Nighttime Visibility and Conspicuity
- 2005 Bicycle Speed Testing
- 2004 Nighttime Visibility and Conspicuity
- 2003 Commercial Vehicle Deceleration Factors
- 2003 Commercial Vehicle Brake Force
- 2003 Nighttime Visibility and Conspicuity
- Photogrammetry in Crash Reconstruction, (IPTM)

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