

### Curriculum Vitae

**Jodie E. Immell, BSME, ACTAR**

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### BACKGROUND

Ms. Immell has over 25 years of experience in the accident reconstruction field. She has investigated thousands of cases, and her specialties include in-depth analysis across a wide variety of collision types. She can quickly assess most collisions with basic information to provide consultations. Ms. Immell works with clients nationwide, and she can help clients understand the crash, provide technical analysis, written reports, testimony and visual exhibits to convey key aspects to attorneys, experts and juries. She has provided deposition and trial testimony in federal and state courts across the United States. Ms. Immell is experienced in large interstate "pileups," tractor-trailer collisions, bus collisions, police involved collisions, low and high severity collisions, motorcycle collisions, bicycle collisions, pedestrian collisions, nighttime visibility, perception response time, and more. She understands the 30,000-foot view and can dig into the evidence across many sources to provide answers to important questions.

### AREAS OF EXPERTISE

- Automobile Collisions
- Tractor-Trailer Collisions
- Bus Collisions
- Motorcycle Collisions
- Bicycle Collisions
- Pedestrian Collisions
- Occupant Kinematics
- Data Recovery, Preservation & Analysis
  - CDR/EDR Downloads
  - Heavy Truck ECM Downloads
  - Toyota VCH Downloads
- Human Factors in Accident Reconstruction
  - Perception Response Analysis
  - Nighttime Visibility Analysis
- Digital Video Analysis
- Research/Testing
- Simulation Analysis
- 3D Scanning/Drone Mapping

### PROFESSIONAL LICENSES & CERTIFICATIONS

- SAE Accident Reconstruction Certificate, 2020

- Accreditation Commission for Traffic Accident Reconstruction (ACTAR), #2441 – 2011
- ECM Download and Analysis since 2010
- CDR Technician and Data Analyst since 2007
- FAA Remote Pilot Certification, 4071984

## EDUCATION

- B.S., Mechanical Engineering, Michigan Technological University, Houghton, MI, 1996

## PROFESSIONAL EXPERIENCE

2025 – Present | Quality Forensic Engineering, LLC | Senior Engineer, Tallahassee, FL

2023 – 2024 | PA Forensic, LLC | Consultant, Oklahoma

2000 – 2023 | Ponderosa Associates, Ltd. | Consultant, Lafayette, CO

1999 – 2000 | Knott Laboratory, Inc. | Engineer, Englewood, CO

1997 – 1998 | Town of Vail | Bus Driver, Vail, CO

1996 – 1997 | Honda R & D North America, Inc. | Engineer, Raymond, OH

1995 – 1996 | Michigan Technological University | Professor Assistant, Houghton, MI

1995 | Delphi Energy & Engine Management Systems | Engineering Intern, Flint, MI

1994 | 3-Dimensional Services | Engineering Intern, Rochester, MI

## NOTABLE PROJECTS

Ms. Immell has participated in testing, analysis, and crash reconstruction for large scale product liability matters including airbag failures, vehicle crashworthiness, car seats, Ford Explorer rollovers, Toyota Sudden Unintended Acceleration (SUA) collisions, and General Motors ignition switch cases. She specializes in technical data analysis from a variety of sources including Toyota Vehicle Control History (VCH) data, Tesla car logs, event data recording data from Airbag Control Modules (ACMs), Engine Control Modules (ECMs), motorcycles, GPS data, and more.

## PROFESSIONAL ASSOCIATIONS

- Society of Automotive Engineers (SAE)
- Southwestern Association of Technical Accident Investigators, Inc. (SATAI)
- National Association of Professional Accident Reconstruction Specialists (NAPARS)

## HONORS AND AWARDS

- Bachelor of Science in Mechanical Engineering Cum Laude Honors

## COURSEWORK/CONTINUING EDUCATION

2025 | “Forensic Evaluation of Slip, Trip, and Fall Events,” Tracy K. Campbell, P.E., CFSE, CXLT, Quality Forensic Engineering, LLC

2024 | "UAS Crime Scene Videography," Gerald Baum, NAPARS

2024 | "ADAS Testing and Reconstruction," Shawn Harrington and James Lau, SAE

2024 | "Advanced Photogrammetry for Collision Reconstruction," Lightpoint Learning

2024 | "Response User Forum," Driver Research Institute

2023 | "vCRASH Interface and Simulation Basics," Virtual Crash

2023 | "Live Crash Testing," SATAI

2023 | "Vehicle System Forensics," Wesley Vandiver, SATAI

2023 | "EDR Updates," Brad Muir, SATAI

2023 | "Photography," Brandon Nabozny, SATAI

2023 | "Video Analysis," Jorgensen & Swinford, SATAI

2023 | "Simulations Course," Engineering Dynamics Corporation

2022 | "IDRR Software Instruction," Driver Research Institute

2022 | "Motorcycle Collision Reconstruction - Independent Study," Lightpoint Learning

2022 | "Recon-3D Software Training," Recon 3D

2022 | "Advanced Applications of Heavy Vehicle EDR Data," SAE

2022 | "Video Evidence Training Symposium," INPUT ACE

2022 | "Cloud Compare Software Training," Ai2-3D

2022 | "Pix4DMapper Essentials," Pix4D

2021 | "Vehicle System Forensics Course," Berla iVe

2021 | "Vehicle System Forensic Examiner," Berla iVe

2020 | "Reconstruction and Analysis of Rollover Crashes of Light Vehicles, SAE

2020 | "Driver Distraction from Electronic Devices: Insights and Implications," SAE

2020 | "Accident Reconstruction, the Autonomous Vehicle and ADAS," SAE

2019 | "Adv Analysis of Driver's Resp based on Human Factors," Crash Safety Solutions

2019 | "Vehicle Crash Reconstruction: Principles and Technology," SAE

2018 | "Applying Automotive EDR data to Traffic Crash Reconstruction," SAE

2017 | "Commercial Vehicle Event Data Recorders," William Messerschmidt

- 2016 | "Introduction to Brake Control Systems," SAE
- 2016 | "Vehicle Dynamics for Passenger Cars and Light Trucks," SAE
- 2016 | "Heavy Vehicle Crash Reconstruction," Northwestern
- 2015 | "Crash Data Retrieval (CDR) Technician & Data Analyst," CDR
- 2011 | "HVE Forum," Engineering Dynamics Corporation
- 2010 | "Crash Data Retrieval (CDR) Technician & Data Analyst," CDR
- 2010 | "Commercial Vehicle Event Data Recorders," William Messerschmidt
- 2008 | "ARC-CSI Crash Conference"
- 2007 | "Crash Data Retrieval (CDR) Technician & Data Analyst," CDR
- 2004 | "HVE Forum," Engineering Dynamics Corporation

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