



# ***KAUDERER & ASSOCIATES, INC.***

**TRAFFIC ACCIDENT RECONSTRUCTION EXPERTS**

## **CURRICULUM VITAE OF**

### **JENNIFER FELKER, ACTAR**

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## **PROFESSIONAL CREDENTIALS**

Full Accreditation as a Traffic Accident Reconstructionist (ACTAR # 4429)

## **AREAS OF EXPERTISE**

### **ACCIDENT TYPES**

- Low Speed Impact
- Staged / Fraudulent
- Auto / Pedestrian
- Frontal / Rear / Side Impacts
- Intersection
- Single Vehicle Events
- Multiple Vehicle Events

### **ROADWAY**

- Forensic Mapping
- Friction Evaluation
- Scene Measurements
- Skid Mark Identification

### **ANALYSIS**

- Crash Data Retrieval Data Analysis
- Speed-Time-Position Studies
- Speed from Damage (Crush)
- Delta V (Change of Velocity)
- Computer-Aided Reconstruction
- Technical Reports
- Video Analysis, Speed Determination from Video

### **DEMONSTRATIVE EXHIBITS**

- Computer Generated Diagrams
- PowerPoint Presentations
- Photographs

## **EMPLOYMENT**

- Kauderer & Associates, Inc. Sacramento, CA: Traffic Accident Investigation Associate (2020 - Present)
- Kauderer & Associates, Sacramento, CA; Traffic Accident Investigation Technician (2015 - 2019)
- Rudy Degger & Associates, Inc.; Pleasant Hill, CA; Traffic Accident Investigation Technician (1997 - 2004)

*Not for Purposes of Expert Disclosure*

## PROFESSIONAL AFFILIATIONS

- Anti-Fraud Alliance (PKA Northern California Fraud Investigators Association - NCFIA)
- California Association of Accident Reconstruction Specialists (CA2RS)
- National Association of Professional Accident Reconstructionists (NAPARS)

## EDUCATIONAL BACKGROUND AND SPECIALIZED TRAINING

- Recent Past, Present, and Future of the Bosch CDR Tool, Bill Rose, NAPARS EDR Symposium, Newport Beach, CA (4/2025)
- Pulling the Plug: The Effects of Power Loss on Toyota TSS Data, Charles Getz, NAPARS EDR Symposium, Newport Beach, CA (4/2025)
- Toyota Safety Sense (TSS) and Pre-Collision System and Understanding Toyota Safety Sense, Nick Manz, NAPARS EDR Symposium, Newport Beach, CA (4/2025)
- HVEDR Update and Collision Mitigation for Heavy Trucks, James Loftis, NAPARS EDR Symposium, Newport Beach, CA (4/2025)
- Electronic Data Case Studies: Uncovering Hidden Insights in Crash Reconstruction, Greg Russell, NAPARS EDR Symposium, Newport Beach, CA (4/2025)
- Polarity and Magnitude of Delta-V from Speed Data, Bob Anderson, NAPARS EDR Symposium, Newport Beach, CA (4/2025)
- ADAS, Self-Driving Vehicles, and Accident Reconstruction: Learn What is Available, How it Works, and How ADAS Features Perform in Collisions, Alan Moore, NAPARS EDR Symposium, Newport Beach, CA (4/2025)
- Compare and Contrast EDR Data vs. Collision Sciences CrashScan Data, Billy Cox, NAPARS EDR Symposium, Newport Beach, CA (4/2025)
- CDR Analysis and Applications Update with Safety Systems, Brad Muir, NAPARS EDR Symposium, Newport Beach, CA (4/2025)
- Analysis of Ignition Cycles and Odometer Values to Identify EDR Events; Electronic Data Available from BMW Motorcycles, Eric Deyerl, NAPARS EDR Symposium, Newport Beach, CA (4/2025)
- Calculating Lateral Displacement from Precrash Yaw Rate and Lateral Acceleration, Westin Brown, NAPARS EDR Symposium, Newport Beach, CA (4/2025)
- Non-Traditional EDR Sources: Enhancing Crash Investigations with Drive Cameras, Smartphone Apps, and More, Vlad Bortchevsky, NAPARS EDR Symposium, Newport Beach, CA (4/2025)
- Beyond the Blackbox: An Exploration of Alternative Motorcycle Data Sources, Lou Peck, NAPARS EDR Symposium, Newport Beach, CA (4/2025)
- Accuracy of EDR Lateral Delta-V in IIHS Side-Impact Crash Tests, Rick Ruth, NAPARS EDR Symposium, Newport Beach, CA (4/2025)
- The Successes, Limitations, and Future of Automatic Emergency Braking Systems (AEB), Dr. David Kidd, NAPARS Webinar (4/2025)
- Advanced Photogrammetry for Collision Reconstruction, LightPoint, Online (12/2024)

- Motorcycle Safety & Motorcycle Accident Investigation, Andre Doria, Ed Fatzinger, Lee Parks, Lou Peck, CA<sup>2</sup>RS Annual Conference, Palm Springs, CA (10/2024)
- Human Factors in Crash Reconstruction, CA<sup>2</sup>RS Quarterly Training, Vallejo, CA (9/2024)
- Photogrammetric Processing of Officer-Worn Body Camera Footage Using Pix4DMapper Software, Stan Taylor, CA<sup>2</sup>RS Webinar (7/2024)
- CloudCompare User Training, ai2-3D / Eugene Liscio, Online & Practical (3/2024)
- Crash Data Retrieval (CDR) Analysis and Application, NUCPS, Davis, CA (3/2024)
- Crash Data Retrieval (CDR) System Operator, NUCPS, Davis, CA (2/2024)
- Recon-3D Operation, ai2-3D / Eugene Liscio, Online & Practical (12/2023)
- CA<sup>2</sup>RS Annual Conference: Auto-Pedestrian Collisions, Lake Tahoe, CA (11/2023)
- Advanced Video Reconstruction, Jason Fries, CA<sup>2</sup>RS Online Training (8/2023)
- Attended WREX2023 (World Reconstruction Exposition), Florida (5 days, 4/2023)
- EDR Update, Andrew Rich, NAPARS Online Training (2/2023)
- “The EDR and the Trailer Hitch” Case Study Training, NAPARS, Online (1/2023)
- “In the Field” Presentation Regarding Investigation Tools and Best Practices, Aperture Staff, CA<sup>2</sup>RS Conference (10/2022)
- “Your Gear” Presentation Regarding Cameras and Scene Capture Technology, Aperture Staff, CA<sup>2</sup>RS Conference (10/2022)
- “In the Office” Presentation Regarding EDR Data, Scan Data, Drone Scene Photography, and Mapping, Aperture Staff, CA<sup>2</sup>RS Conference (10/2022)
- Biomechanical Presentation by Aperture, CA<sup>2</sup>RS Conference (10/2022)
- Live Crash Testing by Aperture, CA<sup>2</sup>RS Conference (10/2022)
- Mock Trial Enactment, CA<sup>2</sup>RS Conference (10/2022)
- Evolution of Insurance Litigation as Autonomous Vehicles Become Commonplace, Anti-Fraud Alliance Webinar (9/2022)
- Principles of Geosocial Investigations, CA<sup>2</sup>RS Webinar (7/2022)
- iINPUT-ACE Certified Metrologist, iINPUT-ACE, Online (7/2022)
- Understanding and Using Ignition Cycles in your Investigations, CA<sup>2</sup>RS Webinar (5/2022)
- iINPUT-ACE Certified Examiner, iINPUT-ACE, Online (4/2022)
- iINPUT-ACE Certified Operator, iINPUT-ACE, Online (4/2022)
- Traffic Accident Reconstruction II, Northwestern University Center for Public Safety (4/2022)
- Traffic Accident Reconstruction I, Northwestern University Center for Public Safety (2/2022)
- Case Studies and Research on Pedal Misapplication, CA<sup>2</sup>RS Webinar (2/2022)
- Crash Investigation: Information from People, Annual CA<sup>2</sup>RS Conference (10/2021)
- Crash Investigation: Information from Roads, Annual CA<sup>2</sup>RS Conference (10/2021)
- Crash Investigation: Mapping and Measuring, Annual CA<sup>2</sup>RS Conference (10/2021)
- Crash Investigation: Collision Photography, Annual CA<sup>2</sup>RS Conference (10/2021)
- Crash Investigation: Vehicle Behavior, Annual CA<sup>2</sup>RS Conference (10/2021)
- Crash Reconstruction: Mechanics, Annual CA<sup>2</sup>RS Conference (10/2021)
- Crash Reconstruction: Momentum, Annual CA<sup>2</sup>RS Conference (10/2021)
- Crash Reconstruction: Energy, Annual CA<sup>2</sup>RS Conference (10/2021)
- Cellular Carrier Data Forensic Analysis, Annual CA<sup>2</sup>RS Conference (10/2021)
- Event Data Recorder Use in Traffic Crash Reconstruction – Level 1 by IPTM, Online (2020)

- Bosch CDR Tool Technician Training by IPTM, Online (2020)
- Investigation of Pedestrian Collisions, IPTM, Online (2020)
- Roadway Evidence, IPTM, Online (2020)
- Tire Examinations – Tire and Wheel Forensics, IPTM, Online (2020)
- Safety Belt Examinations, IPTM, Online (2020)
- Vehicle Lamp Examinations in Traffic Collisions, IPTM, Online (2020)
- Case Preparation and Courtroom Presentation, IPTM, Online (2020)
- Vehicle Lamp Analysis, CA2RS, Pittsburg, CA (2004)
- Crash Data Retrieval System Operator’s Certification Course, Collision Safety Institute, Concord, CA (2003)
- Tire Mechanics and Inspection, CA2RS, Concord, CA (2003)
- Occupant Kinematics and Injury Mechanisms During Motor Vehicle Collisions, University of California, Riverside Extension, Riverside, CA (2001)
- Nikon Total Station Operation (2001)
- Computer Assisted Diagramming, Los Medanos College, Pittsburg, CA (1/2001)
- Commercial Vehicle Accident Reconstruction, CA2RS, AC Transit Training Facility, Hayward, CA (2001)
- Human Factors and Occupant Dynamics, CA2RS, Concord, CA (2001)
- Advanced Traffic Accident Investigation, Los Medanos College, Pittsburg, CA (2/2000)
- Speed from Crush, CA2RS Conference, Concord, CA (1999)
- Event Data Retrieval (EDR) Technology, CA2RS Conference, Concord, CA (1999)
- Intermediate Traffic Accident Investigation, Los Medanos College, Pittsburg, CA (9/1999)

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