



Robert J Krenz, MSEM, PE  
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Haley J Furrer, Managing Partner  
Janice J Krenz, Project Manager

## Robert J Krenz, MSEM, PE

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### Date of Birth

February 27, 1961

### Education

Master of Science Degree Engineering Mechanics

- University of Wisconsin – Madison, May 1991

Bachelor of Science Degree Engineering Mechanics

- University of Wisconsin – Madison, May 1985

### Professional Experience

Krenz Engineering | Oregon, Wisconsin

January 2022 to Present

Consulting Engineer

Krenz Engineering | Oregon, Wisconsin

September 2006 to January 2022

Owner/Consulting Engineer

Safety Engineering Associates, Inc | Madison, Wisconsin

May 1985 to September 2006

Vice President/Consulting Engineer

Safety Engineering Associates, Inc | Madison, Wisconsin

January 1984 to May 1985

Engineering Assistant

### Certifications and Licenses

- Society of Automotive Engineers – Accessing and Interpreting Heavy Vehicle Event Data Recorders HVEDR 2019
- FAA Unmanned Aircraft Systems Certified Pilot 2018
- Northwestern University - Crash Data Recorder System Analyst 2014
- Northwestern University - Crash Data Recorder System Technician Level 1 & 2 2013
- Registered Wisconsin Professional Engineer



## Areas of Expertise

### Motor Vehicle Accident Analysis and Evidence Preservation

- Passenger vehicle "black box" crash data retrieval and analysis
- Heavy vehicle event data recorder data retrieval and analysis
- UAS (drone) accident site aerial photography, videography and terrain mapping
- Vehicle speed analysis
- Impact location analysis
- Time-distance avoidance analysis
- Visibility analysis
- Restraint analysis
- Impact severity analysis
- Lighting analysis
- Computer-aided simulation analysis
- Computer aided animation analysis & presentation
- Recreational vehicle – ATV, snowmobile, watercraft accident analysis

### Safety Analysis

- Inspection & testing
- Slip/trip/fall walking surface and stairway safety analysis
- Codes & standards research
- Safe place evaluation
- Consumer product safety evaluation
- Workplace or industrial accident analysis

## Professional Development

- Crash Data Group 2019 Event Data Recorder Summit
- Crash Data Group 2018 Event Data Recorder Summit
- ABOTA Mock Trial –Defense Expert 2015
- Speaker at various legal associations conferences
- Presenter at various Insurance Adjusters associations
- Attendance/participation at professionally related conferences
- Continuing review and independent study of industry related publications

## Memberships/Societies

- American Society of Mechanical Engineers
- National Association of Professional Accident Reconstruction Specialists
- Society of Automotive Engineers