

Brian G. Pfeifer, Ph.D., P.E.
850.583.5510
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Dr. Pfeifer is an Engineering Expert with over 25 years of experience investigating thousands of cases involving a variety of forensic engineering issues. He is a leading expert in accident reconstruction, roadside safety, maintenance of traffic, commercial vehicle accidents, pedestrian accidents, bicycle accidents, and the analysis of mechanical systems and product failures. Dr. Pfeifer has a strong background in the design, development, and implementation of roadside safety hardware including guardrails, bridge rails, and crash cushions. Over 33 patents have been filed worldwide on behalf of Dr. Pfeifer and associated colleagues who invented safer guardrail systems, vehicle storage systems, shipping container handling systems, and material handling and storage methods. He has also utilized his technical knowledge and understanding of patents to assist in a number of matters involving patent litigation.

Dr. Pfeifer has published numerous papers to various organizations, covering topics such as new guardrail systems, energy absorbing guardrail terminals, breakaway sign mechanisms, and material handling technology. He has shared his expertise with many organizations on topics including vehicle collisions, bicycle accidents, roadway construction zones, and accident reconstruction expert witness utilization. Dr. Pfeifer is a registered Professional Engineer in three states and he continues to refine his skills and knowledge of accident reconstruction and roadside safety by staying current with new technology and best practices. Dr. Pfeifer has extensive experience with providing deposition and trial testimony as an Engineering Expert.

Areas of Expertise

- Automobile Collisions
- Tractor-Trailer Collisions
- Guardrails / Bridge Rails
- Construction Zones
- Bicycle Accidents
- Pedestrian Accidents
- Motorcycle Accidents
- Occupant Kinematics
- Roadside Safety
- Airbag Control Module (ACM) Analysis
- Tractor Trailer Electronic Control Module (ECM) Analysis
- Product Failure Analysis
- Maintenance of Traffic (MOT) Evaluation
- Restraint System Analysis
- Patent Litigation Technical Analysis

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Professional accreditations, degrees, licenses, and certificates granted:

Degrees:

- Bachelors Degree in Mechanical Engineering, University of Nebraska, 1990
- Masters Degree in Mechanical Engineering, University of Nebraska, 1992
- Ph.D. in Civil Engineering, University of Nebraska, 1997
- Certificate in Biomedical Engineering, University of Florida, 2002

Licenses and Certifications:

- Licensed Professional Engineer, Florida, #53037
- Licensed Professional Engineer, Alabama, #28207-E
- Licensed Professional Engineer, Nebraska, # E-7968
- Certified Counter Balanced Forklift Operator
- Florida Advanced Work Zone Traffic Control
- FAA Remote Pilot Certification, #4250439

Affiliations and memberships in professional and/or industry organizations:

- American Society for Testing and Materials – Member of Committee E30 on Forensic Sciences and E58 on Forensic Engineering (ASTM)
- American Society of Mechanical Engineers (ASME)
- American Society of Civil Engineers (ASCE)
- Florida Engineering Society (FES)
- National Society of Professional Engineers (NSPE)

Teaching and speaking experience:

“CLE Zoom Presentation – Accident Reconstruction 101” Quality Forensic Engineering, LLC, Tallahassee, FL, May 2022

“CLE Zoom Presentation – Accident Reconstruction 101” Florida Justice Association’s Expert Webinar Series, April 2022

“CLE Zoom Presentation – Accident Reconstruction 101, Working with Your Expert”, Tampa Bay Trial Lawyers Association, May 2021

“CLE Zoom Presentation – Accident Reconstruction 101, Working with Your Expert”, Alabama Defense Lawyers Association, April 2021

“CLE Zoom Presentation - Accident Reconstruction 101, Working with Your Expert”, Presented to multiple law firms, 2021

CLE Zoom Presentation - Tractor-Trailer Collision Reconstruction / Technology", Presented to multiple law firms, 2021

"CLE Zoom Presentation – Tractor-Trailer Accident Reconstruction & Related Technology", Alabama Defense Lawyers Association, January 2021

"Raising the Bar Virtual CLE Week – Accident Reconstruction 101: Working with Your Expert", Central Florida Trial Lawyers Association, October 2020

"CLE Zoom Presentation – Tractor-Trailer Accident Reconstruction & Related Technology", FJA 2020 Masters of Justice, September 2020

"CLE Zoom Presentation – Tractor-Trailer Accident Reconstruction & Related Technology", Tampa Bay Trial Lawyers Association, September 2020

"CLE Zoom Presentation – Tractor-Trailer Accident Reconstruction & Related Technology", Jacksonville Justice Association, July 2020

"Tractor-Trailer Accident Reconstruction & Related Technology", Rembolt Ludtke Firm, Lincoln Nebraska, March 2020

"CLE Presentation on Tractor-Trailer Accident Reconstruction & Related Technology", Pensacola Area Defense Counsel, November 2019

"Tractor-Trailer Accident Reconstruction & Related Technology", Keenan Trial Institute, August 2019

"Mock Expert Examination and Cross-Examination", Keenan Trial Institute Trucking Seminar, May 2019

"Two Engineers and an Architect – Use of Accident Reconstructionist in Auto and Premises Liability Cases", Tampa Bay Trial Lawyers Assoc. Panel Discussion, August 2018

"How to Effectively Work with Accident Reconstruction to Better Present Your Clients' Case", Manasota Trial Lawyers Board Dinner Meeting w/Rick Swope, March 2017

"Accident Reconstruction Basics and Cross Examination", Palm Beach County Justice Association (PBCJA) SCOPE X Attorney Seminar, December 2016

"How to Better Utilize Your Accident Reconstruction Expert Witness", Civil Litigation for Paralegals & Legal Assistants Seminar, June 2016

"Auto Accident Reconstruction Expert", Florida Justice Association's Expert Webinar Series, April 2016

"Roadway Construction Zones - What could go wrong?", Florida Justice Association's "Hell on the Highways IV" Conference, St. Augustine, FL, December 2015

"Evaluating the Bicycle Case – an Expert's Perspective", Florida Justice Association's "Hell on the Highways III" Conference, Boca Raton, FL, December 2014

“Investigating Auto Cases – How to Work with Your Expert to Prepare Your Case”, Florida Justice Association’s Masters of Justice Seminar, Orlando, FL, September 2014

“Things Aren’t Always What They Seem: Reconstructing the Tricky Crash”, Florida Justice Association’s “Hell on the Highways” Conference, Tampa, FL, December 2013

“Construction Zone Accidents – What Went Wrong”, Florida Justice Association’s “Hell on the Highways” Conference, St. Augustine, FL, December 2012

“Automation of Container Handling with the GRID System”, International Port and Terminal Technology Conference, Houston, TX, April 2011

“Streamlining Container Handling with the GRID System”, International Port and Terminal Technology Conference, Houston, TX, April 2009

“Animation–Fact or Fiction?”, American Bar Association’s Trucking Law Seminar, New Orleans, LA, March 16, 2001

“Animation–Fact or Fiction?”, Defense Research Institute, Las Vegas, NV, February 21, 2001

“Animation–Fact or Fiction?”, Alabama Defense Lawyers Association, Destin, FL, June 2000

“Automobile Accident Reconstruction”, American Surety and Casualty Company, Jacksonville, FL, June 1999

“Low Speed Rear End Impacts”, Hunt Insurance Group, Tallahassee, FL, November 1998

PUBLICATIONS:

Pfeifer, Brian G., “Offshore and Intermodal Applications of the GRID System”, International Port and Terminal Technology Conference, Savannah, GA, May, 2014

Pfeifer, Brian G. and C.E. Benedict, “Streamlining Container Handling with the GRID System”, Port Technology International, Edition 56, November 2012

Pfeifer, Brian G., “Automation of Container Handling with the GRID System”, presented at the International Port and Terminal Technology Conference, Houston, TX, April 2011

Pfeifer, Brian G., “Streamlining Container Handling with the GRID System”, presented at the International Port and Terminal Technology Conference, Houston, TX, April 2009

Pfeifer, Brian G. and D. L. Sicking, “NCHRP Report 350 Testing of the BEST System”, paper presented to the Transportation Research Board, Washington, D.C., 1999

Reid, J.D., D.L. Sicking, R.K. Faller, and Brian G. Pfeifer, “Development of a New Guardrail System”, paper presented to the Transportation Research Board, Washington, D.C., 1998

Pfeifer, Brian G., "Development and Simulation of an Energy Absorbing Guardrail Terminal", Ph.D. diss., University of Nebraska, 1997

Pfeifer, Brian G. and D.L. Sicking, "Development of a Metal Cutting Guardrail Terminal", paper presented to the Transportation Research Board, Washington, D.C., 1996

Faller, R.K., M.A. Ritter, J.C. Holloway, Brian G. Pfeifer, and B.T. Rosson, "Performance Level 1 Bridge Railings for Timber Decks", paper presented to the Transportation Research Board, Washington, D.C., 1993

Holloway, J.C., R.K. Faller, Brian G. Pfeifer, E.R. Post and D.E. Davidson, "Performance Level 2 Tests on the Missouri 30-in. New Jersey Safety Shape Bridge Rail", paper presented to the Transportation Research Board, Washington, D.C., 1992

Pfeifer, Brian G., J.C. Holloway, R.K. Faller, et al., "Full-Scale Crash Tests on a Luminaire Support 4-Bolt Slip base Design", paper presented to the Transportation Research Board, Washington, D.C., 1992

Pfeifer, Brian G., "A Study of Breakaway Mechanisms Incorporated in Traffic Signs", Master's thesis, University of Nebraska, 1992

Have any of your accreditations ever been investigated, suspended or removed? (if yes, explain):

No

Retained as an expert:

Several thousand times.

Retained as an expert for the following areas:

- Automobile Collisions
- Tractor-Trailer Collisions
- Guardrails / Bridge Rails
- Construction Zones
- Bicycle Accidents
- Pedestrian Accidents
- Motorcycle Accidents
- Occupant Kinematics
- Roadside Safety
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- Tractor Trailer Electronic Control Module (ECM) Analysis
- Product Failure Analysis
- Maintenance of Traffic (MOT) Evaluation
- Restraint System Analysis
- Patent Litigation Technical Analysis

In what percentage of your cases were you retained by the plaintiff?

Approximately 50%

In what percentage of your cases were you retained by the defendant?

Approximately 50%

On how many occasions have you had your deposition taken?

Rule 26 testimony list is available upon request.

When was the last time you had your deposition taken?

Rule 26 testimony list is available upon request.

On how many occasions have you been qualified by a court to give expert testimony?

Rule 26 testimony list is available upon request.

On how many occasions have you testified as an expert in court or before an arbitrator?

Rule 26 testimony list is available upon request.

For how many years have you worked with the legal industry as an expert?

25+ years

What services do you offer? (E.g.: consulting, testing, reports, site inspections etc.)

Quality Forensic Engineering is a full-service forensic engineering and accident reconstruction firm, specializing in reconstruction of accidents involving passenger vehicles, tractor-trailers, pedestrians, bicycles, and motorcycles. Each senior engineer at Quality Forensic Engineering, LLC has over 20 years of experience in the industry. Our engineers provide expert analysis for roadside safety concerns, construction zones, industrial equipment, occupant kinematics, premises liability, code violations, product design, and vehicle controllability. Industrial accidents, workplace safety, and slip / trip / and fall accidents are also our specialties.

We utilize the latest technology for documenting evidence and retrieving data including FARO 3D scanning, aerial drone imaging, and black box downloads. Our forensic experts are mobile, supporting clients throughout the U.S. We are headquartered in Tallahassee, Florida with remote locations in Jacksonville, Florida; Tampa, Florida and Tucson, Arizona.

What is your hourly rate to consult with an attorney?

\$390

What is your hourly rate to review documents?

\$390

What is your hourly rate to provide deposition testimony?

\$390

What is your hourly rate to provide testimony at trial?

\$390

Please list any fees other than those stated above (E.g.: travel expenses, copy fees, etc.)

Travel billed portal to portal plus expenses.

References:

Ron Reed
Reed Law Group
2119 Riverside Ave.
Jacksonville, FL 32204
(904)619-9050

References Continued:

John Leader
The Leader Law Firm
405 W Cool Dr, Ste 107
Tucson, AZ 85704
(520)575-9040

Keith Kessler
Stritmatter Kessler Whelan Koehler Moore
3600 15th Avenue West #300
Seattle, WA 98119
(206)448-1777

Ben Bedard
Roberts, Reynolds, Bedard and Tuzzio, P.A.
470 Columbia Drive, Ste C101
West Palm Beach, FL 33409
(561)688-6560

Steve Wittmer
Wittmer and Linehan
2014 4th Street
Sarasota, FL 34237
(941)365-2296

For additional honors/awards/projects/continuing education please consult the attached CV.