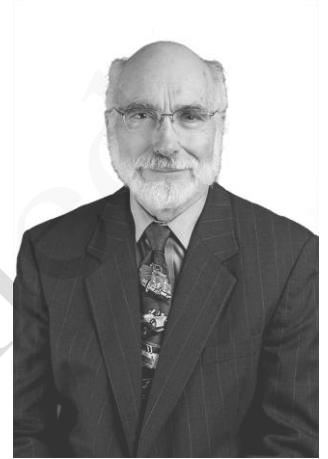


## James Casassa

---



### Professional Competencies:

Forensic Engineer who performs:

- Reconstruction of collisions including automobile, heavy truck, tractor-trailer, motorcycle and recreational vehicles
- Mechanical and component failure analysis
- Forensic vehicle inspections including wheel and tire
- Automotive safety and crashworthiness investigations
- Download and interpretation of crash data recorder information

Experience Summary

- Management of retail/wholesale auto parts business
- Research administrator of auto design issues related to crash-worthiness and damageability for insurance company
- General Motors Test Engineer

### Employment History:

#### **Wolf Technical Services, Inc., Indianapolis, IN**

Forensic and Design Engineer, Accident Reconstructionist (1989 to Present)

Mr. Casassa's forensic specialties include technical investigation and reconstruction of vehicle collisions, mechanical failure analysis, automotive safety and crashworthiness. He has been the principal investigator and reconstructionist of more than 1,400 vehicle-related incidents and has supported fellow staff members on numerous other cases. He has provided consultation on wheel loss issues for a transit company as well as evaluated numerous cases involving tire failure. His continuing education includes attendance at Society of Automotive Engineer technical sessions and seminars on topics such as accident reconstruction, vehicle crash characteristics, component failures and injury causation. He participated in a series of crash tests performed to improve understanding of the relationship between vehicle crush stiffnesses and collision speed.

Jim was instrumental in the research, design, development and testing on a project for the U.S. Air Force involving helicopter aircrew restraints and injury mitigation. He also contributed his expertise in mechanics, testing, and mechanical design to the development of a safer troop seat for U.S. Air Force helicopters. Jim is a registered professional engineer



**James Casassa**

Page Two

and a member of the Society of Automotive Engineers. He has testified in both state and federal courts as an expert in accident reconstruction and mechanical failure analysis.

**Mt. Zion Auto Supply, Inc.,** Mt. Zion, Illinois  
Owner/President (1976 to 1991)

Management of all aspects of full service retail/wholesale auto parts business including personnel, finance, purchasing, promotion, and inventory control.

**State Farm Insurance,** Bloomington, Illinois  
Research Administrator (1971 to 1976)

Gathered and analyzed statistical data relating automotive design to insurance losses. Advised management and legal department on auto design issues related to crash-worthiness and damageability.

**General Motors Proving Ground,** Milford, Michigan  
Test Engineer (1969 to 1970)

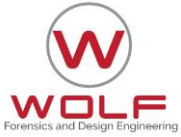
Designed and performed engineering tests related to vehicular noise and vibration problems, and recommended engineering solutions.

**Education:**

Purdue University, Lafayette, IN Master of Science in Industrial Administration	1971
Purdue University, Lafayette, IN Bachelor of Science in Mechanical Engineering	1969

**Continuing Education:**

▪ Event Data Recorder Use in Traffic Crash Reconstruction – Level II	2018
▪ SAE International Commercial Vehicle Braking Systems	2014
▪ IMIS Safety & Technical Conference	2012
▪ Crash Data Retrieval Data Operator & Analyst Course	2012
▪ Crash Data Retrieval User’s Conference	2008
▪ Crash Data Retrieval Data Analyst Course	2006
▪ Society of Automotive Engineers “Tire and Wheel Safety Issues” Seminar	2005
▪ Society of Automotive Engineers “The Tire as a Vehicle Component” Seminar	2005



## James Casassa

Page Three

- Crash Data Retrieval System Operator Certification Course 2005
- Engineering Dynamics Corporation "Theoretical and Applied Vehicle Dynamics" 2002
- Society of Automotive Engineers "Automotive Safety: Anatomy, Injury, Testing & Regulation" 1992

### **Accreditations, Licenses and Certifications:**

Registered Professional Engineer in the State of Indiana (inactive)

Registered Professional Engineer in the State of Illinois (inactive)

Crash Data Retrieval (CDR) System Operator Certification

Crash Data Retrieval (CDR) Data Analyst Certification

### **Patents:**

US Patent No. 9,937,893 B2; Magnetically Actuated Personnel Restraint System

### **Affiliations and Honors:**

Member of the Society of Automotive Engineers (SAE)

Member of O.T.A.R.A (Ohio Traffic Accident Reconstruction Association)

Corporate Member of the SAFE Association

Arch T. Colwell Award 1975 – Outstanding SAE technical paper