

**CV**  
**Sal Fariello**

Consulting automotive engineer specializing in motor vehicle and watercraft accident reconstruction, crash injury biomechanics, tire failures, motor vehicle safety warnings and product liability analysis, and motor vehicle & boat fire reconstruction (origin and cause analysis).

Telephone 1(800)-531-0078

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**WARNING:** This CV is not to be submitted to opposition counsel nor is the expert to be declared until such time as the expert has been retained by written retainer agreement and has formed at least a preliminary opinion.

Sal Fariello is a member of the Society of Automotive Engineers, the National Association of Professional Accident Reconstruction Specialists, and the National Association of Fire Investigators. Mr. Fariello has been performing accident investigation and reconstruction, defects investigations, biomechanical analysis and vehicle fire origin and cause analysis since 1974.

He works on cases for the plaintiffs' bar, for criminal defense attorneys, insurance carriers, and government agencies. **Mr. Fariello is one of very few accident reconstructionists who has been specially appointed by a court as an expert witness (Florida and Massachusetts).**

**Accident Reconstruction**

Mr. Fariello has earned certificates in the following general practice and specialty motor vehicle and watercraft accident investigation and reconstruction fields:

**Traffic Accident Investigation and Analysis:** Northwestern University

**Advanced Accident Reconstruction Using Computers:** University of North Florida

**Commercial Vehicle Accident Investigation & Reconstruction:** University of North Florida

**Advanced Commercial Vehicle Accident Reconstruction:** University of North Florida

**Advanced Computer Simulation of Motor Vehicle Accidents:** University of North Florida

**Motor Vehicle Accident Reconstruction:** by the Society of Automotive Engineers (SAE) through its continuing professional engineering education program.

**Crash Data Retrieval:** University of North Florida. Retrieval and analysis of airbag computer "black box" crash data in motor vehicles.

**Methodology & Techniques of Crash Data Retrieval:** University of North Florida. Advanced crash data retrieval including commercial vehicle on-board computers

**Tire Failure Analysis:** University of California

**Human Factors:** University of North Florida (effects of alcohol, eyewitness reliability, etc.)

**Biomechanics in Traffic Accident Reconstruction:** Texas A&M University; Crash injury biomechanics and specialized accident reconstruction techniques to determine injury potential.

**Low Speed Impact Investigation & Reconstruction:** University of California (cervical & lumbar injury potential in low speed crashes).

**Watercraft Accident Reconstruction:** University of North Florida.

**Pedestrian & Bicycle Accident Investigation & Reconstruction:** University of North Florida (vehicle speed determination and injury analysis).

**Applied Physics for Accident Reconstruction:** University of North Florida

### **Crash injury Reconstruction & Injury Biomechanics; Safety & Warnings**

Mr. Fariello has earned certificates in the following areas:

**Accidental injury, Biomechanics and Prevention:** University of California San Diego School of Medicine.

**Injuries, Anatomy and Biomechanics:** by the Society of Automotive Engineers (SAE) through its continuing professional engineering education program.

**Biomechanics in Traffic Accident Reconstruction:** Texas A&M University.

**S.A.E. Side Impact TOPTEC,** August, 2001, Detroit, MI: biomechanics of side impact injuries and injury prevention technologies.

**Vehicle Frontal Crash Occupant Safety:** by the Society of Automotive Engineers (SAE) through its continuing professional engineering education program. This program included analysis of belt restraint performance, airbag performance, injury metrics, crash pulse analysis and vehicle structural analysis as it relates to injury mitigation.

Additionally, Mr. Fariello has successfully completed courses in analysis of cervical and lumbar injury potential and general bodily injury potential in low speed crashes at University of California, Riverside, crash injury analysis in watercraft accidents at University of North Florida, general crash injury analysis at Texas A&M University, and analysis of injuries in pedestrian and bicycle crashes at University of North Florida.

Mr. Fariello is certified by the Laser Institute of America as a Medical Laser Safety Officer, thereby qualifying him in the biodynamics of eye injury and laser safety warnings and credentialing him to supervise the safe performance of surgical lasers in hospital use.

Mr. Fariello is also separately certified in Industrial Laser Safety and Hazard Control by the Laser Institute of America, where his studies focused on eye injury hazards associated with industrial laser applications and safety warnings (see employment history for additional safety & warnings experience).

### **Automobile Air Bags**

Mr. Fariello holds specialized certificates in:

**Sensor Design for Automobile Air Bag Systems** by the Society of Automotive Engineers (SAE) through its continuing professional engineering education program. Mr. Fariello studied air bag sensor design and behavior in vehicle collisions at the SAE under Dr. Ching-Yao Chan of the Institute of Transportation Studies at the University of California at Berkeley.

**Vehicle Frontal Crash Occupant Safety:** by the Society of Automotive Engineers (SAE) through its continuing professional engineering education program. This program included analysis of belt restraint performance, airbag performance, injury metrics, crash pulse analysis and vehicle structural analysis as it relates to injury mitigation.

**S.A.E. Side Impact TOPTEC**, August, 2001, Detroit, MI, biomechanics of side impact injuries and injury prevention technologies using side impact air bags.

**Crash Data Retrieval:** University of North Florida. Retrieval and analysis of airbag computer “black box” crash data in motor vehicles.

**Methodology & Techniques of Crash Data Retrieval:** University of North Florida. Advanced crash data retrieval including commercial vehicle on-board computers

### **Tire Failure Analysis**

Mr. Fariello holds a specialized certificate in **Tire Failure Analysis** from the University of California at Riverside. In addition, Mr. Fariello has studied tire failure analysis as part of his certification in Traffic Accident Investigation and Analysis from Northwestern University.

### **Human Factors**

Mr. Fariello holds a specialized certificate in **Human Factors in Traffic Accident Reconstruction** from the University of North Florida. The certification includes effects of alcohol and

drugs on driver behavior, eyewitness reliability, etc. Mr. Fariello has been accepted as a human factors expert in civil and criminal courts in the United States and Canada.

### **Motor Vehicle Fire & Arson Analysis and Boat Fire Reconstruction (origin & cause):**

Mr. Fariello holds **Certified Vehicle Fire Investigator** and **Certified Fire and Explosion Investigator** credentials from the National Association of Fire Investigators. Mr. Fariello studied motor vehicle fire origin and cause analysis and vehicle arson investigation at Eastern Kentucky University and the Alfa Romeo technical school in Milan, Italy. He also studied general fire origin and cause investigation and analysis, arson investigation and explosion investigation at Eastern Kentucky University.

### **Employment Experience**

Mr. Fariello has worked as a field engineer and regional service manager for two car manufacturers, Alfa Romeo of Italy (3 years) and Volvo of Sweden (1 year). Before that, he held positions in the auto industry as a parts and service director for several dealerships, an automotive shop foreman, and master technician in charge of training and troubleshooting. In the boat industry Mr. Fariello held a position for two years as service department foreman and master technician.

He has worked under contract for the U.S. Army Tank-Automotive Command and U.S. Army Communications-Electronics Command performing maintenance and human factors safety engineering on heavy trucks, drilling equipment, and construction equipment as well as high-tech electronics equipment. Mr. Fariello was cited by the Department of the Army for his unique contributions in the area of maintenance engineering and training development for the Army Communications-Electronics Command.

Mr. Fariello has also worked under contract for the New York Metropolitan Transportation Authority where he did maintenance engineering studies on Long Island Railroad commuter car air conditioning and heating systems. Mr. Fariello has worked as a contract employee for Grumman Aerospace Corporation where he did maintenance engineering work on the Navy's C2-A and F14 aircraft navigation systems.

For five years Mr. Fariello worked under contract for Quantronix Corporation, a manufacturer of medical, scientific and industrial lasers. Mr. Fariello did maintenance engineering, biomechanical, and human factors safety analysis for that corporation and developed special training manuals and equipment safety warnings to facilitate FDA approval of experimental medical lasers. Mr. Fariello has also worked as a contract maintenance engineering consultant to Weck Surgical Systems division of Squibb Pharmaceutical Corporation where he did safety warnings consulting and training development and to Veeco Instruments, where he developed safety warnings and training procedures for x-ray based measurement equip-

ment.

## **Published Works**

Mr. Fariello is the author of *The Plaintiffs' Lawyers Guide To Minor Impact Cervical and Lumbar Injury*, a training manual dealing with low speed crash injury mechanisms. This manual was excerpted in the April, 2002 edition of TRIAL magazine, the journal of the Association of Trial Lawyers of America. Mr. Fariello is the author of *Whiplash Injury*, a book dealing with accident reconstruction and biomechanical issues in rear end impacts. Mr. Fariello is also the author of *Airbag Injuries, Causation & Federal Regulations*, a book dealing with injury mechanisms associated with airbags and accident reconstruction techniques for determining the need for airbag deployment based on injury mitigation.

Mr. Fariello is also the author of three internationally distributed automotive books: *Mugged By Mr. Badwrench* (St. Martin's Press), *The People's Car Book* (St. Martin's Press), and *Automotive Service Marketing* (SFT Publishing in cooperation with Sun Electric Corporation).

Mr. Fariello is an experienced public speaker who has made hundreds of guest appearances on television and radio shows promoting his books and who has given seminars to insurance companies on motor vehicle injury biomechanics. Many articles about automotive technology authored by Mr. Fariello have appeared in *Motor Magazine*.

The State of New Jersey requested and received permission from one of Mr. Fariello's publishers to incorporate a large section of one of his books into New Jersey's official driver training manual. Mr. Fariello has also written over a dozen feature articles on state of the art digital electronics which have been published in *Integrated Circuits Magazine*.

## **Additional Education**

Mr. Fariello's educational background includes studies at State University of New York at Stony Brook and Suffolk County Community college.

## **Track Record**

Mr. Fariello is known for his objectivity. He is one of only a few accident reconstructionists who has been specially appointed by a Court as an expert witness.

Mr. Fariello has been a technical consultant in several noteworthy cases. He was the sole

technical consultant in the matter of Skelton v. General Motors, a class action that was settled for \$17,000,000. This case is discussed in his book *Mugged By Mr. Badwrench*. He helped provoke a \$3,600,000 settlement in Gershkovich v. CLD Transportation. He was instrumental in bringing about a \$600,000 settlement in Corometrics v. Winnebago.

Mr. Fariello was an automotive forensic consultant to Federal Defender Services in the first World Trade Center Bombing case in New York, and has worked on numerous civil plaintiff and defense cases for insurance carriers and criminal defense cases for the criminal bar.