

# Curriculum Vitae

## Anthony G. Sasso, P.E., DFE

**Profession:** Consulting Engineer

**Registration:** Professional Engineer, Registered in the States of Florida and Alabama  
Board Certified Diplomate in Forensic Engineering - Council of Engineering and Scientific Specialty Boards

**Education:**

Florida State University  
Bachelor of Science, Mechanical Engineering, With Honor-1996  
Master of Science, Mechanical Engineering -1997

**Experience:**

**Sasso Engineering LLC**, Tallahassee, FL  
2008-Present – Consulting Engineer

**H2 Engineering, Inc.**, Tallahassee, FL  
2008-2009 - Mechanical Engineer

**Quest Engineering and Failure Analysis, Inc.**, Tallahassee, FL  
2004 – 2007 – Senior Engineer  
2003-2004 – Project Engineer

**Alliance Laundry Systems**, Marianna, FL  
1999 – 2002 – Senior Project Engineer

**Emergency One, Inc.**, Ocala, FL  
1998-1999 – Design/Manufacturing Engineer

**Cummins Engine Company**, Columbus, IN  
1997-1998 – Design Engineer

**General Motors Corporation, Powertrain Division**, Lansing, MI  
1997 – Graduate Student Engineer

**Conferences, Seminars, & Coursework:**

- \* CDR Tool User Certification Course, IPTM
- \* Fundamentals of Diesel Engine Technology, Columbus, IN
- \* M-11 Diesel Engine Training Course, Columbus, IN
- \* Pro-Engineer Computer Aided Design Training Course, Columbus, IN
- \* Pro-Mechanica Finite Element Analysis Training Course, Orlando, FL
- \* SAE Injuries, Anatomy, Biomechanics & Federal Regulation, Detroit, MI
- \* SAE Commercial Vehicle Braking Systems, Detroit, MI
- \* SAE Motor Vehicle Accident Reconstruction, Detroit, MI
- \* SAE Vehicle Accident Reconstruction Methods, Detroit, MI

- \* Heavy Vehicle Crash Reconstruction, Northwestern University
- \* SAE Applied Vehicle Dynamics, Greenville, SC
- \* Commercial Motor Vehicle Electronic Data Retrieval, Tallahassee, FL
- \* National Fire Protection Association (NFPA) 921 Fire and Explosion Investigations, Orlando, FL
- \* Human Factors in Traffic Crashes, Tallahassee, FL
- \* Measuring Floor Safety: Managing Slips, Trips, and Falls
- \* WREX2016 – World Reconstruction Expo, Orlando, FL
- \* NAFE Winter Conference 2018- Phoenix, AZ
- \* NAFE Summer Conference 2019 – Denver, CO

***Presentations:***

Visual Welding Inspection Certification Course for Florida Department of Agriculture and Consumer Services, Bureau of Fair Ride Inspection, 2006

Forensic Engineering Analysis of Common Failures and Inspection Procedures for Residential and Commercial Chairs, NAFE Winter Conference, Jan 2018, Phoenix, AZ

***Publications:***

A.Sasso, “Forensic Engineering Analysis of Common Failures and Inspection Procedures for Residential and Commercial Chairs”, *JotNAFE*, vol. 36, no. 1, Jul. 2020.

***Professional Associations & Awards:***

- \* American Society of Mechanical Engineers Tallahassee Section Vice-Chair 2012-2019
- \* Atlantic Coast Conference Weaver-James Postgraduate Award
- \* Florida Engineering Society
- \* National Society of Professional Engineers
- \* Society of Automotive Engineers
- \* National Association of Professional Accident Reconstructionists
- \* Commercial Driver’s License
- \* National Academy of Forensic Engineers (NAFE) - Senior Member #986 S

***Representative Skills:***

**Accident Reconstruction:**

Analysis of accident events and material evidence to determine accident causation, critical accident events, sequence of events, compliance with procedures, and injury mechanisms. Typical projects include vehicular, construction, consumer and industrial products and equipment, and slip/trip & fall accidents.

**Vehicular Accident Reconstruction:**

Reconstruction of vehicular accidents to determine vehicle speed, accident mechanisms, avoidance potential, and occupant injury mechanisms based on physical evidence. Typical vehicles include tractor-trailers, motorcycles, bicycles, heavy equipment, pedestrians, and automobiles.

**Injury Causation and Seat Belt Analysis:**

Engineering analysis of accident and material evidence to determine injury mechanisms and whether injuries were consistent with accident evidence. Analysis to determine whether seat belts were operational, occupants were wearing seat belts, injuries sustained may have been mitigated through the use of seat belts, or reported injuries are consistent with scientific accident analysis.

**Product Failure Analysis:**

Analysis of projects with regard to materials failure, fatigue, corrosion, safety, fire, explosion, and design.

**Design Engineer:**

Design of Heating, Ventilation, and Air Conditioning (HVAC), Plumbing, and Fire Protection Systems for commercial buildings including prisons, schools, public and private offices. Tallahassee, FL

**Design Engineer:**

Design and failure analysis of high horsepower diesel engines, and related subsystems. Columbus, IN.

**Aerial Design Engineer:**

Design, test, manufacture, and failure analysis of emergency vehicles, in particular, Class 7 and 8 Heavy Vehicle Fire Apparatus. Ocala, FL.

**Design Engineer:**

Design, manufacture, and failure analysis of commercial laundry and dry cleaning equipment. Marianna, FL.