



Paul D. Eason, Ph.D., P.E., CFEI

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Dr. Eason combines experience from academia, industry, and consulting to address a variety of engineering and forensic subjects. His broad based materials engineering education allows him to examine product defect and safety issues of metals, plastics, glass, and ceramics, including corrosion, fatigue, overload, and material selection. Paul has also actively participated in risk assessment for project management and failure modes and effects analysis in process and product design. As a forensic consultant, he has combined his knowledge of materials behavior with traditional techniques of fire investigation to tackle complex cause and origin issues and product liability concerns. Paul is also a nationally certified fire and explosion investigator and a licensed professional engineer in the state of Florida. He is versed in multiple forms of materials analysis, teaches undergraduate courses in materials engineering and mechanical design, and has worked on projects involving product design and manufacturing, product defects, failure analysis, corrosion, fire and explosion origin and cause, and industrial accidents.

Formal Education

Doctor of Philosophy in Material Science and Engineering with an emphasis in metallurgy, environmental attack and alloy development, University of Florida, 1998

Bachelor of Science in Materials Science and Engineering with a dual specialization in Metallurgy and Ceramic Engineering, University of Florida, 1995 Minor in Business Administration

Professional Development

Principles of Failure Analysis, ASM – International

Techniques of Risk Management, Risk and Insurance Management Society (RIMS)

Determining the Cause and Origin of Fires and Explosions, National Association of Fire Investigators

Traffic Accident Reconstruction, Northwestern University Traffic Institute

Advanced Commercial Vehicle Inspection and Collision Investigation, Texas A&M University

Annual Truck Inspection, Florida Trucking Association (FTA)

Corrosion in Concrete Reinforcements Seminar, National Association of Corrosion Engineers (NACE)

Licensure and Certification

Professional Engineer in Florida, FBPE #0000060836

Certified Fire and Explosion Investigator, NAFI #7024-2717

Professional Experience

2003 – Present Engineering Consultant / President, e4 Consulting, Jacksonville, FL

2006 – Present Associate Professor, Mechanical Engineering, University of North Florida, Jacksonville, FL

2007 – Present Graduate Faculty Member, Materials Science and Engineering, University of Florida, Gainesville, FL

2001 – 2003 Forensic Professional, KHA/ZMA, Jacksonville, FL

1998 -2001 Engineering Consultant, Benedict Engineering Company, Tallahassee, FL

1998 - Electron Microscopist/Alloy Metallurgist, Major Analytical Instrumentation Center, University of Florida, Gainesville, FL

1995 – 1998 Graduate Research Assistant, UF Department of Materials Science and Engineering, University of Florida, Gainesville, FL

1998 Teaching Assistant, UF Department of Material Science and Engineering, University of Florida, Gainesville, FL

1993 –1996 Lab Consultant/Teaching Assistant, UF Department of Computer Science and Engineering, University of Florida, Gainesville, FL

1989 –1993 Engineering Assistant II, Jacksonville Electric Authority, Jacksonville, FL