



Advanced Engineering Resources, PA

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CLAUDE I. BURKHEAD, III, PE

Over 25 years providing expert engineering consulting services based on extensive investigative and trial experience in accident reconstruction. Broad investigation experience of motor vehicles with an emphasis on light and heavy trucks and motorcycles. Specializing in analysis of complex cases employing a combination of fundamentals and state-of-the-art computer simulation reconstruction. Additional experience in EDR (black box) download and analysis, CAD (computer assisted drawings), trial exhibits, and computer animation. Deposition and courtroom expert witness testimony has been provided hundreds of times throughout the US. This includes district, state, and federal courts.

EDUCATION:

- Bachelor of Science, Mechanical Engineering, NC State University, '94
- Bachelor of Science, Nuclear Engineering, NC State University, '77
- Various courses on advanced accident reconstruction and investigation of large commercial vehicles, motorcycles, automobiles, and pedestrians since 1979
- Attendance and participation in many seminars involving staged vehicle collisions and associated analysis (trucks, cars, and motorcycles)
- Completion of 20+ professional development hours per year since 1980

PROFESSIONAL EXPERIENCE:

PRESIDENT: Advanced Engineering Resources, PA, Apex, NC. '95-Present
ENGINEER: Engineering Investigations and Testing, PC, Raleigh, NC. '94
ENGINEER: NC State University, Energy Audit Team for Industry, Raleigh, NC '92
ENGINEER: Research Engineers, Inc., Raleigh, NC. '78-'93
ENGINEER (Nuclear): Carolina Power & Light Company, Hartsville, SC.'77-'78

PROFESSIONAL QUALIFICATIONS AND AFFILIATIONS:

Registered Professional Engineer in Mechanical Engineering: North Carolina (# 19694)
Society of Automotive Engineers
American Society of Mechanical Engineers
Private Pilot, IFR (Instrument), 25+ years

Mr. Burkhead and Advanced Engineering Resources, PA, are located in Apex (near Raleigh), NC. Phone: 919-387-8811; email: info@aer-recon.com