

EDUCATION

- 2010 **Masters of Engineering, Fire Protection Engineering**
University of Maryland, College Park, Maryland
- 1990 **Bachelor of Science Electrical Engineering**
University of South Alabama, Mobile, Alabama
- 1975 – 1976 **Graduate Study in Psychology**
University of South Alabama, Mobile, Alabama
- 1975 **Bachelor of Science in Psychology**
Spring Hill College, Mobile, Alabama

EXPERIENCE

- July 2001
to Present **Engineering Design and Testing Corp.**
Birmingham, Alabama (2001-2014, 2021-Present) /
Mobile, Alabama (2014-2021)
- Consulting Engineer*
Specialized consulting in the area of electrical engineering for commercial, industrial and residential systems, including cause and origin of electrical and electronic system failures, electrical code compliance, analysis of costs to repair or replace electrical and electronic equipment and systems, evaluation and analysis of electrical construction disputes. Fire Code Compliance and investigations to determine the root cause of fires.
- December 1996
to June 2001 **Smurfit-Stone Container Corp.**
Fernandina Beach, Florida
- Senior Electrical Project Engineer*
Description Performed conceptual design, detailed design, construction engineering, and project management for commercial and industrial electrical and instrumentation projects. Responsibilities included acting as plant resource for National Electrical Code interpretation; chaired team to write mill electrical and instrumentation specifications; prepared estimates of project costs; performed design and installation of low and medium voltage (to 69 kV) power distribution projects; design and installation of electrical systems for hazardous locations; performed design and installation of process instrumentation; supervised electrical and instrumentation contractors.
- March 1990
to November 1996 **Champion International Corp.**
Pensacola, Florida
- Electrical Project and Maintenance Engineer*
Provided conceptual design, detailed design, construction engineering and project management for industrial electrical and instrumentation projects. Conducted analysis to determine root cause of electrical and instrumentation equipment malfunctions. Responsibilities included preparing cost estimates for electrical and instrumentation projects; performed design and installation of low and medium voltage (to 13.8 kV) power distribution projects; performed design and installation of

process instrumentation; supervised electrical and instrumentation contractors; programmable logic controller installation and programming; performed root cause analysis of industrial electrical system failures, performed electrical code compliance inspections of all new electrical installations.

August 1976
to May 1987

Various Hospitality Companies

Single and Multi-Unit Restaurant Management

Full profit and loss responsibility of from one to four restaurants.

REGISTRATIONS and CERTIFICATIONS

Registered Professional Engineer in Alabama (No. 24869)

Registered Professional Engineer in Florida (No. 48283)

Registered Professional Engineer in Georgia (No. PE027775)

Registered Professional Engineer in Mississippi (No. 15451)

Electrical Systems Maintenance (NFPA 73)

NAFI Certified Fire and Explosion Investigator (No. 8804-3893)

NCEES Certification (No. 20569)

Principal Member National Fire Protection Association Technical Committee on

PROFESSIONAL ORGANIZATIONS

Eta Kappa Nu (Electrical Engineering Honor Society)

Institute of Electrical and Electronics Engineers

International Association of Arson Investigators

International Electrical Testing Association

National Association of Fire Investigators

National Fire Protection Association

National Society of Professional Engineers

Tau Beta Pi (Engineering Honor Society)