

FORCON INTERNATIONAL

DOUGLAS W. FISHER, P.E., FSFPE, LEED AP BD+C

SUMMARY

Mr. Fisher is an established engineer in the field of fire protection engineering. His areas of specialties include, but are not limited to fire loss investigations, fire protection systems failure analysis, interpretation and enforcement of fire codes, life safety/building code surveys, design, inspection and analysis of fire protection systems, fire hazard analysis and computer fire modeling.

Mr. Fisher extensive experience also includes utilizing the National Fire Protection Association codes, standards, and recommended practices, as well as the model building and fire prevention codes, Factory Mutual and Industrial Risk Insurers guidelines and Underwriter's Laboratory listings. In addition, Mr. Fisher has 12 years' experience as a firefighter, both in small and large departments.

Mr. Fisher's fire protection expertise also includes flammable and combustible liquids, warehouse fire protection, smoke and heat venting, telecommunication facilities, earthquake protection of fire sprinkler systems, and value engineering.

Mr. Fisher has provided expert testimony both in deposition and at trial. A summary of that experience is available on request.

EDUCATION

Master of Business Administration - Emory University; 2003

Bachelor of Science in Fire Protection Engineering - University of Maryland; 1991

REGISTRATIONS & CERTIFICATIONS

Registered Professional Engineer in the following States:

Alabama (#25314)	Arizona (#39346)	California (#FP1382)	Colorado (#48535)	Connecticut (#30170)	Florida (#59133)
Georgia (#24337)	Illinois (#062.65507)	Indiana (#PE11400203)	Maine (#13317)	Maryland (#46561)	Massachusetts (#45295)
Mississippi (#21451)	New Mexico (#19051)	New Jersey (#24GE05093200)	New York (#088051)	North Carolina (#032976)	Ohio (#74065)
Pennsylvania (#PE077724)	South Carolina (#27674)	Tennessee (#115548)	Texas (#110464)	Virginia (#0402048313)	Washington (#34023)
West Virginia (#19125)					

LEED Accredited Professional, Building Design & Construction (LEED AP BD+C)

PROFESSIONAL ASSOCIATIONS

National Fire Protection Association

Society of Fire Protection Engineers

- o Fellow
- o Greater Atlanta Chapter (Past President)

CAREER HISTORY

FORCON International – Fire Protection Engineer

Providing forensic investigation analysis and expert witness services as it relates to his fields of expertise.

Fisher Engineering, Inc. – Vice-President/Principal Fire Protection Engineer

Timely investigation and analysis of active and passive fire protection systems in post-fire scenarios. This is accomplished through the use of the most current research and engineering principles in fire protection engineering and fire science. Perform design and construction related services for all types of fire suppression and alarm systems. Perform code analysis and evaluation of facilities, including offices, warehouses, aircraft hangars and hazardous materials storage buildings. Perform computer fire modeling and develop reports for non-code compliant facilities. Commission fire protection and life safety systems.

Hartrampf, Inc. – Manager, Fire Protection Services

Performed timely investigation and analysis of active and passive fire protection systems in post-fire scenarios. Performed design and construction related services for all types of fire suppression and alarm systems. Performed code analysis and evaluation of facilities including offices, warehouses, aircraft hangars and hazardous materials storage buildings. Performed computer fire modeling and develop reports for non-code compliant facilities. Commissioned fire protection and life safety systems.

Harrington Group, Inc. – Manager, Engineering Operations/Senior Fire Protection Engineer

Performed investigation and analysis of both active and passive fire protection systems in post-fire scenarios. Performed design and construction related services for all types of fire suppression and alarm systems. Performed code analysis and evaluation of facilities. Performed computer fire modeling and report development for non-code compliant facilities. Commissioned fire protection and life safety systems.

Engineering Economics, Inc – Project Engineer/Project Manager

Developed code compliant strategies and performed life safety surveys for new and existing facilities, particularly stadiums, arenas, convention centers and other large assembly occupancies. Reviewed life safety, sprinkler, and fire alarm design drawings and contractor submittals for conformance with applicable building and fire codes and NFPA standards. Commissioned fire protection and life safety systems.

Seattle Fire Department – Fire Protection Engineer

Reviewed life safety, sprinkler, and fire alarm design drawings and contractor submittals for construction within the Seattle city limits. Provided technical assistance to architects, engineers, other city departments, and the general public as well as training for fire department inspectors. Provided research and interpretations of the UFC and NFPA Standards to other fire protection engineers and fire department personnel.

US General Services Administration – Fire Protection Engineer/Safety Engineer

Reviewed life safety, sprinkler, and fire alarm design drawings and contractor submittals for Federally owned and leased space. Performed life safety surveys of buildings. Assisted arson investigators with post-fire investigation. Developed, implemented and managed all aspects of regional GSA Occupational Safety and Health program, consisting of: developing safety programs and hazard controls, performing OSH surveys and training, interpreting OSHA standards and implementing GSA policy for over 200 employees in a four state region.

PRESENTATIONS

- **National Conference on Building Commissioning**
 - Speaker - “Fire Life Safety Commissioning”, May 2013
 - Speaker - “Fire Protection & Life Safety Commissioning”, May 2012
 - Speaker - “Why Commission Life Safety Systems”, May 2000
- **National Fire Protection Association**
 - Speaker - “NFPA 4 - Are you Prepared to Comply with this New Standard?”, June 2017
 - Speaker - “Fire Protection and Life Safety System Commissioning: A Step-by-Step Workshop”, June 2012
- **SFPE Greater Atlanta Chapter**

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- Speaker - “Best Practices and Pitfalls of Acceptance and Integrated Testing”, March 2017
- Speaker - “UFC 3-600-01, Fire Protection Engineering for DoD Facilities - Complete Rewrite”, March 2016
- Speaker - “Commissioning Existing Fire Protection & Life Safety Systems”, March 2014
- Speaker - “Commissioning Fire Protection & Life Safety Systems: An Owner’s and a Consultant’s Perspective”, March 2011
- Speaker - “Commissioning vs. Acceptance Testing Water-Based Fire Protection Systems”, March 2008
- **SFPE Arizona Chapter**
 - Speaker - “Why Spaceports?”, August 2020
- **Southeastern Chapter of The Society of Fire Protection Engineers**
 - Instructor - Flashover Seminar, April 1998

PUBLICATIONS

National Fire Protection Association

- NFPA 3: Commissioning and Integrated System Testing Handbook, 2012, Co-author

TECHNICAL COMMITTEES & SPECIAL PROJECTS

National Fire Protection Association

- Technical Committee on Commissioning Fire Protection Systems, Principal Member
- Technical Committee on Water Tanks, Chair
- Technical Correlating Committee on Flammable and Combustible Liquids, Principal Member
- Technical Committee on Flammable and Combustible Liquids - Operations, Principal Member
- Technical Committee on Portable Fire Extinguishers, Principal Member
- Technical Committee on Spaceports, Principal Member

Society of Fire Protection Engineers

- Committee on Professional Qualifications, Chair, 2019 - Present
- Performance Design Criteria Task Group, 1999 - 2003
- Building Information Modeling Task Group, 2010 - present
- Engineering Licensure, 2009 - present

Building Commissioning Association

- Professional Development Committee, 2011 - 2015