



12750 Commonwealth Drive  
Ft. Myers, FL 33913

**DERREK-IAN G. VERLAAN, CSP**  
**SENIOR CONSULTANT**

[dgverlaan@engsys.com](mailto:dgverlaan@engsys.com)

Mr. Derrek-Ian Verlaan has been performing scientific investigation, research, and consulting for over 25 years. His consulting practice areas include construction, safety, environmental, and fire.

Mr. Verlaan investigates residential and commercial property losses related to structural, fire, water damage, mold, and corrosive drywall. As part of the ESi catastrophe response team, he conducts construction and safety consulting, origin, cause, and damage assessment for large scale commercial and residential property losses resulting from natural disasters, fires, and explosions. He performs safety consulting and manages safety projects related to premises liability, slip, trip, and fall incidents, occupational safety and health, and research. Mr. Verlaan's fire investigation experience includes origin and cause for property, vehicles, commercial vehicles, and marine fires, as well as investigation, research, and project management in support of subrogation and litigation claims. He performs and manages projects related to Phase I and II Environmental Site Assessments, soil and groundwater testing, remediation, mold, indoor and outdoor air quality assessments, environmental litigation, and research. Mr. Verlaan's technical and mechanical background includes marine, powersports (ATV/UTV/PWC/motorcycle), automotive, HVAC, electrical, industrial, and hydraulic equipment.

**Areas of Specialization**

Construction Consulting/Property Loss  
Safety Consulting and Accident Investigation  
Fire / Explosion  
Environmental Consulting  
Mechanical Evaluation

**Education**

B.S., Vocational and Technical Studies, Building Construction, University of West Florida, 1988

**Certifications**

Certified Safety Professional (CSP) #CSP-36829 Board of Certified Safety Professionals  
Associate Safety Professional (ASP) #27740, Pre-requisite to CSP, 2019  
Walkway Auditor Certificate Holder (WACH), Certificate #00258, National Floor Safety Institute  
Certified Mold Assessor, Florida Department of Business & Professional Regulation,  
License # MRSA 405

Certified Vehicle Fire Investigator (CVFI), National Association of Fire Investigators,  
International, Registration #14921-7830v (Inactive August 5, 2024)  
Certified Fire and Explosion Investigator (CFEI), National Association of Fire Investigators,  
International, Registration #14921-7830 (Inactive August 5, 2024)  
HAAG Certified Inspector (HCI), Commercial and Residential Roofing  
ID#: 201304360

## **Professional Affiliations**

### **American Society of Safety Professionals (ASSP)**

Member

### **American Society for Testing and Materials (ASTM)**

Member- ASTM Committee F13 on Pedestrian/Walkway Safety and Footwear  
Previously on Committee E50, Environmental Assessment, Risk Management, and  
Corrective Action

### **National Association of Fire Investigators (NAFI)**

Member

### **National Floor Safety Institute (NFSI)**

B101.9 NFSI Subcommittee Member - developed standard for "Identification and  
Elimination of Interior and Exterior Trip Hazards on Walking Surfaces, Stairs, and  
Ramps."

### **Real Estate Investment Society of Southwest Florida**

Member, 2009 – 2013

## **Positions Held**

### **Engineering Systems Inc., Ft. Myers, Florida**

Senior Consultant, 2024 – Present

Senior Staff Consultant, 2019 – 2023

Staff Consultant, 2005 – 2018

Senior Environmental Technologist/Associate Consultant, 2001 – 2004

### **K.C. Breen and Associates Inc., Ft. Myers, Florida**

Senior Environmental Technologist/ Research Technician, 1994 – 2001

### **Fort Myers Cycle Honda, Yamaha, Suzuki, Ft. Myers, Florida**

Service Manager, Service Advisor, Lead Technician, 1991 – 1994

### **Southern Cross Water Sports, Ft. Myers Beach, Florida**

Owner / Operator, Rental Safety and Rider Training, 1989 – 1991

### **Precision Machining Inc., Pensacola, Florida**

Industrial Equipment Installation, Diagnostics, Upgrades and Service, 1988 – 1989

### **Quality Car Stereo, Pensacola, Florida**

Custom mobile audio systems design, fabrication, and installation, 1987 – 1988

### **Frank Kellar's Stereo, Pensacola, Florida**

Store Manager, retail electronics sales, 1986 – 1987

**Sunshine Jr. Food Stores, Pensacola, Florida**

Maintenance Technician, South District 40 stores, HVAC, refrigeration, plumbing and electrical, 1984 – 1985

**Sun Ray Motel, Cottages and Restaurant, Pensacola Beach, Florida**

Maintenance Technician, Construction, Maintenance and Remodeling, Restaurant Equipment, HVAC, plumbing and electrical, 1982 – 1984

**Continued Education**

**International Association of Certified Home Inspectors (InterNACHI)-** 14 HR Florida Mold Assessor & Remediator Continuing Education Course, Florida, June 2024

**National Floor Safety Institute (NFSI)-** Walkway Auditor Certificate Program *NFSI B101.0 Walkway Surface Auditing Procedure for the Measurement of Walkway Slip Resistance*, Atlanta, Georgia, May 2024

**University of South Florida-** OSHA 30 Hour Outreach Training for the Construction Industry, Florida, November 2023

**Mobile Elevated Work Platform (MEWP)-** Safety and Operation Training, Centennial, Colorado, August 2022

**International Association of Certified Home Inspectors (InterNACHI)-** 14 HR Florida Mold Assessor & Remediator Continuing Education Course, Florida, July 2022

**AAA Construction School Inc.** 14 HR Mold Assessment and Remediation Course for FL Mold License Requirements, Florida, June 2020

**American Society of Safety Professionals (ASSP) (formerly ASSE)**

CSP (Certified Safety Professional) Workshop, Tampa, Florida, March 2019

**HAAG Certified Inspector (HCI)-** Commercial Roofing Certified Inspector Program, No. 201304360, Commercial Roof 5 Year Renewal Course June 10, 2018

**AAA Construction School Inc.** 14 HR Mold Assessment and Remediation Course for FL Mold License Requirements, Florida, June 2018

**CMA - NORMI®** Certified Mold Assessor/ 14 HR CEU for FL Mold License Requirements Estero, Florida, July 2016

**Excel Tribometers, LLC** CXLT Certification Program, Tampa, Florida, March 10, 2016

**National Association of Fire Investigators, International (NAFI)**

Vehicle Fire, Arson, & Explosion Investigation Science & Technology Seminar  
Certified Vehicle Fire Investigator (CVFI), Lexington, Kentucky, September 2015

**American Society of Safety Engineers (ASSE)**

ASP (Associate Safety Professional) Workshop, Atlanta, Georgia, August 2015

**National Association of Fire Investigators (NAFI)**

Advanced National Fire, Arson, & Explosion Investigation Training Program  
Certified Fire and Explosion Investigator (CFEI), Sarasota, Florida, July 2014  
Recertification

**Mold, Moisture and Standards of Practice**

Florida CMA/CEU Course# 000090, National Organization of Remediators and Mold Inspectors (NORMI), Ft. Myers, Florida, March 11, 2014

**HAAG Certified Inspector (HCI)**

Residential & Commercial Roofing Certified Inspector Program, No. 201304360, April 20, 2013

**National Association of Fire Investigators (NAFI)**

Advanced National Fire, Arson, & Explosion Investigation Training Program  
Certified Fire and Explosion Investigator (CFEI), Sarasota, Florida, August 2009

**Environmental Site Assessments for Commercial Real Estate**

ASTM E1527-05/AAI, Orlando, Florida, 2006

**Due Diligence at Dawn Workshop Series**

AAI and Liability: Prepare Preserve and Protect, Orlando, Florida, 2005

**Indoor Air Quality Association (IAQA), Certified Mold Remediator (CMR)**

Certification No. CMR 02160, Tampa, Florida, 2002

**MycoMeter-test Training Program, MycoMeter-test Certified**

Certification No. US 0067DK, Ft. Myers, Florida, 2002

**40 Hour Hazardous Waste Operations and Emergency Response (HAZWOPER)**

Tampa, Florida, 2001

**Environmental Site Assessment for Commercial Real Estate**

ASTM E1527-00, Clearwater, Florida, 1999

**Publications/Presentations**

“3rd Annual Southwest Florida Brownfield Symposium,” Florida Department of Environmental Protection, D. Verlaan - speaker, presented at Lee County Public Education Center, Ft. Myers, Florida, March 20, 2015

Content contributor: Manual 43 Technical Aspects of Phase I / II Environmental Site Assessments, Publisher ASTM, Library of Congress ISBN 978-0-8031-4273-2, September 2007

**Miscellaneous**

**PADI Open Water SCUBA Course and Certification**

Fort Myers, Florida, 1998

**The Nikon School of Photography**

Miami, Florida, 1996

**Motorcycle Safety Foundation Rider Course**

Fort Myers, Florida, 1991