



DERREK-IAN G. VERLAAN, CSP, CFEI, CVFI
SENIOR STAFF CONSULTANT

dgverlaan@engsys.com

Mr. Derrek-Ian Verlaan has been performing scientific investigation, research, and consulting for over 20 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
Certified Mold Assessor, Florida Department of Business & Professional Regulation, MRSA 405

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

Professional Affiliations

American Society of Safety Professionals (ASSP)

Member

American Society for Testing and Materials (ASTM)

Member

Previously on Committee E50, Environmental Assessment, Risk Management, and
Corrective Action

National Association of Fire Investigators (NAFI)

Member

Real Estate Investment Society of Southwest Florida

Member, 2009 – 2013

Positions Held

Engineering Systems Inc., Ft. Myers, Florida

Senior Staff Consultant, 2019 – Present

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

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

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

CMA - NORMI® Certified Mold Assessor/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 and 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