

Mr. Derrek-ian Verlaan has spent more than 25 years working as a consultant and conducting scientific research. His consulting specialties cover construction, safety, environmental issues, and fire.

Mr. Verlaan possesses extensive experience investigating both residential and commercial property losses involving structural issues, fire, water damage, mold, and corrosive drywall. He has provided construction and safety consulting as well as origin, cause, and damage assessments for large-loss commercial and residential property incidents resulting from natural disasters, fires, and explosions. His expertise encompasses safety consulting and project management in areas such as premises liability; slip, trip, and fall incidents; occupational safety and health; and research activities. Mr. Verlaan's background in fire investigations covers determining origins and causes related to properties, vehicles (including commercial vehicles), and marine fires, along with conducting research and managing projects supporting subrogation and litigation claims. In the environmental domain, he has managed projects regarding Phase I and II Environmental Site Assessments, soil and groundwater testing, remediation efforts, mold identification, indoor and outdoor air quality evaluations, environmental litigation, and research. Additionally, Mr. Verlaan brings technical and mechanical proficiency in marine, powersports (ATV/UTV/PWC/motorcycle), automotive, HVAC, electrical, industrial, and hydraulic equipment.

Education

BS, Technical-Vocational Studies/ Building Construction.
University of West Florida. 1988

Licenses & Certifications

- Certified Safety Professional (CSP) #CSP-36829 Board of Certified Safety Professionals
- Associate Safety Professional (ASP) #27740, Pre-requisite to CSP, 2019

Contact Information

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ESi Fort Myers

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Areas of Specialization

- Construction Consulting/Property Loss & Construction Defects
- Origin & Cause Investigations
- Safety Consulting & Accident Investigations
- Environmental Consulting
- Fire and Explosion Investigation
- Mechanical Evaluation
- Expert Witness & Litigation Support

- Walkway Auditor Certificate Holder (WACH), Certificate #00258, National Floor Safety Institute
 - Certified Mold Assessor, Florida Department of Business &
 - Professional Regulation, License # MRSA 405
 - OSHA 30 Hour Construction Industry Certificate # 06841135
 - HAAG Certified Inspector (HCI), Commercial and Residential Roofing ID#: 201304360
 - 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)
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Positions Held

Engineering Systems Inc., Fort Myers, Florida

- Senior Consultant, 2024 – Present
- Senior Staff Consultant, 2019 – 2023
- Staff Consultant, 2005 – 2018
- Senior Environmental Technologist/Associate Staff Consultant 2001 – 2004

K.C. Breen and Associates Inc., Fort Myers, Florida

- Senior Environmental Technologist/ Research Technician, 1994 – 2001

Fort Myers Cycle Honda, Yamaha, Suzuki, Fort Myers, Florida

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

Southern Cross Water Sports, Fort Myers Beach, Florida

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

Precision Machining Inc., Pensacola, Florida

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

Quality Car Stereo, Pensacola, Florida

- Custom mobile audio systems design, fabrication, installation, troubleshooting 1987 – 1988

Frank Kellar's Stereo Showcase and Video, Pensacola, Florida

- Store Manager, retail electronics sales, 1986 – 1987

Sunshine Jr. Food Stores, Pensacola, Florida

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

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

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

Continuing 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, OSHA 30 Hour Certificate No. 06841135, 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 Florida 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 Florida Mold License Requirements, Florida, June 2018
- **National Organization of Remediators and Microbial Inspectors NORMI® -CMA** - Certified Mold Assessor/ 14 HR CEU for Florida 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

- **National Organization of Remediators and Microbial Inspectors NORMI®** - Mold, Moisture and Standards of Practice Florida CMA/CEU Course# 000090, Fort 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
- **ASTM (American Society for Testing and Materials) International** - Environmental Site Assessments for Commercial Real Estate- ASTM E1527-05/AAI (All Appropriate Inquiries), 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
- **Enviro Team-Indoor Environmental Specialists**- Mold Remediation Training, Enviro Team Group Course, Tampa, Florida 2002
- **MycoMeter-test® Training Program**, protocol per MycoMeter ApS, Department General Microbiology, Copenhagen University, Denmark- MycoMeter-test Certified, Certification No. US 0067DK, Fort Myers, Florida, 2002
- **40 Hour Hazardous Waste Operations and Emergency Response (HAZWOPER)**-Sunshine Education and Research Center at University of South Florida, Tampa, Florida, 2001
- **ASTM (American Society for Testing and Materials) International** - Environmental Site Assessments for Commercial Real Estate ASTM E1527-00, Clearwater, Florida, 1999
- **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

Professional Affiliations

ASTM International (American Society for Testing and Materials)

Member- ASTM Committee F13 on Pedestrian/Walkway Safety and Footwear

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

NFSI (National Floor Safety Institute)

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

ASSP (American Society of Safety Professionals)

Member (Inactive 2024)

NAFI (National Association of Fire Investigators)

Member (Inactive 2026)

Real Estate Investment Society of Southwest Florida

Member, 2009 – 2013

Publications

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

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