



Kirk LuMaye, PE, CFEI, CVFI

Forensic Engineer

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Professional Summary:

Mr. LuMaye is a registered professional mechanical engineer. His experience encompasses failure analysis of mechanical and electrical systems and products. He has specialty experience related to water loss failures, home appliance failures, corrosion failures, and vehicle fires. Mr. LuMaye is a NAFI Certified Fire and Explosion Investigator and a NAFI Certified Vehicle Fire Investigator.

Licenses and Certifications:

Professional Mechanical Engineer (PE):

CA - California Board of Professional Engineers, Land Surveyors, and Geologists, License No. M37551

NV - Nevada Board of Professional Engineers and Professional Land Surveyors, License No. 030225

AZ - Arizona State Board of Technical Registration, License No. 76608

OR - Oregon State Board of Examiners for Engineering & Land Surveying, License No. 101032PE

WA - Washington Board of Registration for Professional Engineers & Land Surveyors, License No. 22019182

Certified Fire & Explosion Investigator (CFEI)

National Association of Fire Investigators - NAFI - Certificate No: 19416-10793v

Certified Vehicle Fire Investigator (CVFI):

National Association of Fire Investigators - NAFI - Certificate No: 19416-10793v

Professional Experience:

LuMaye Consulting,

Principal Forensic Engineer, 2023 - Present

EFI Global

Senior Forensic Engineer, Mechanical, 2016 - 2023

OConnor Engineering

Forensic Engineer, Mechanical, 2012 - 2016

Education:

Bachelor of Science, Mechanical Engineering

California State University Sacramento, Sacramento, CA, 2012

Specialized Education:

- Vehicle Fire, Arson, Explosion Investigation Training Program by NAFI, Lexington, KY, September 2023
- Excel Tribometers, LLC Certified XL Tribometrist Certification Program, Denver, CO, June 2017
- Vehicle Fire, Arson, Explosion Investigation Training Program by NAFI, Lexington, KY, September 2015
- International Fire, Arson, & Explosion Investigation Training Program NAFI/NFPA/IAFI, University of Eastern Kentucky, March 2014
- BIT 121: Mechanical II / H.V.A.C. Code Requirement, Cosumnes River College, 2013
- Residential Electrical Systems, CFITrainer.net/IAII, 2014
- Basic Electricity, CFITrainer.net/IAII, 2014
- Post Flashover Fires, CFITrainer.net/IAII, 2014
- Introduction to Fire Dynamics and Modeling, CFITrainer.net/IAII, 2014
- Electrical Safety, CFITrainer.net/IAII, 2014
- Understanding Fire through the Candle Experiments, CFITrainer.net/IAII,
- 2013 Physical Evidence at the Fire Scene, CFITrainer.net/IAII,
- 2013 Investigating Motor Vehicle Fires, CFITrainer.net/IAII,
- 2013 Introduction to Evidence, CFITrainer.net/IAII, 2013
- Insurance and the Fire Investigation, CFITrainer.net/IAII, 2013
- Fire Protection Systems, CFITrainer.net/IAII, 2013
- Fundamentals of Residential Building Construction, CFITrainer.net/IAII, 2013
- Evidence Examination: What Happens at the Lab?, CFITrainer.net/IAII, 2013
- The Scientific Method for Fire and Explosion Investigation, CFITrainer.net/IAII, 2012
- NFPA 1033 and Your Career, CFITrainer.net/IAII, 2012
- Digital Photography and the Fire Investigator, CFITrainer.net/IAII, 2012
- Arc Mapping Basics, CFITrainer.net/IAII, 2012
- A Ventilation-Focused Approach to the Impact of Building Structures and Systems on Fire Development, CFITrainer.net/IAII, 2012