

EDUCATION:

B.Sc. Mechanical Engineering, Colorado School of Mines, Golden, Colorado, 2008

REGISTRATION:

Registered Professional Engineer in Arizona, California, Colorado, Georgia, Kansas, Montana, Nebraska, Nevada, New Mexico, North Dakota, Oklahoma, Texas, Utah, Vermont, and Wyoming. Certified Diplomate of Forensic Engineering.



EXPERIENCE:

Vice President of Engineering, Knott Laboratory, LLC, January 2025 to Present
Director of Engineering, Knott Laboratory, LLC January 2020 to December 2024
Engineering Manager, Knott Laboratory, LLC, January 2019 to December 2020
Senior Engineer, Knott Laboratory, LLC, September 2018 to December 2019.
Consulting Engineer, Engineering Design & Testing Corp., Centennial, CO, August 2015 to September 2018
Lead Engineer, Iofina Resources, Inc., Greenwood Village, CO, August 2013 to August 2015
Engineer II, Shaw, Stone, & Webster, Cherry Hill, NJ, February 2009 to August 2013
Mechanical Engineer Intern, Caterpillar, Inc., Summer 2008

FORENSIC ENGINEERING INVESTIGATIONS:

While at Knott Laboratory and formerly Engineering Design & Testing Corp., Mr. Mowry has conducted, analyzed, and testified to numerous forensic engineering investigations involving property damage, personal injury, and death including, but not limited to:

- Premises Liability
 - Slips-and-falls, including those related to snow and ice accumulation and mitigation (snow and ice removal)
 - Slip-resistance, Tribology, and Tribometry
 - Sweep logs and property inspections for pedestrian safety
 - Trips-and-falls, step-and-falls, falls involving personal mobility devices, falls on the same level
 - Building Codes (e.g., IBC, IRC, IFC, IPMC, IPC, IFGC, NFPA, UBC, UPC, UFC, NBIC, local and regional building codes, etc.)
 - Stairway safety
 - Federal Regulations (e.g., ADA, FHA, PROWAG, CFRs, etc.)
 - Pedestrian/Walkway safety
 - Lighting and visibility
 - Fire safety (e.g., fire suppression systems, fire alarms, construction requirements, etc.)
 - Carbon monoxide
- Workplace/Construction Safety
 - Fall Protection (working at heights)
 - Scaffolding
 - Confined Space
 - Crane-related incidents
 - Material handling matters
 - OSHA Regulations
 - Industry specifications and codes (e.g., ASME, ITSDF, NFSI, etc.)
 - Heavy equipment (e.g., implements of husbandry, skid steers, material handling equipment, etc.)
- Property Damage
 - Water losses
 - Commercial and residential plumbing, piping, valves, fittings, tanks, etc.
 - Heating, Ventilation, and Air Conditioning (HVAC) systems
 - Appliances
 - Fires
 - Moisture intrusion
 - Hail damage
 - Heavy equipment failures
 - Fire suppression systems
 - Boilers, furnaces, water heaters, etc.
 - Construction defects
 - Building codes (e.g., IBC, IPC, UBC, UPC, IFGC, IECC, IPMC, etc.)

- Product Defects
 - Safety hierarchy
 - Design defects
 - Manufacturing defects
 - Product recalls
 - CPSC requirements
 - Industry codes, standards, and regulations (e.g., ASME, ISO, ANSI, UL, etc.)
- Vehicle Crash Reconstruction
 - EDR imaging
 - Visibility studies
- Failure Analyses
 - Valves, Fittings, fixtures, and components
 - Plastic, PEX, Polybutylene, CPVC, PVC, etc.
 - Metallic plumbing and piping
 - Gears, bearings, etc.
 - Fatigue analysis
 - Brittle and ductile failures
 - Dezincification, oxidative degradation, environmental stress cracking, and material compatibility matters
- Incident Reconstruction
 - Photogrammetry
 - Videogrammetry
 - Camera Matching
 - Object Matching
 - Matchmoving

FAILURE ANALYSIS:

Mr. Mowry has conducted multiple failure analyses on various components including plumbing fittings and fixtures, piping, copper and iron water piping, gear teeth, bearings, and other components. Through Mr. Mowry's education and experience, he frequently examines mechanical systems and components and determines the cause of failure, including failure to maintain, improper use, long term wear and tear, and design or manufacturing defects.

CERTIFICATIONS

Mr. Mowry holds, or has previously held, the following certifications:

- Fall Protection
- Scaffold Worker
- Confined Space Entry
- Radiation Worker
- Asbestos Worker
- Lock-Out Tag-Out (LOTO)
- Certified English XL Tribometrist (CXLT)
- Certified Fire and Explosion Investigator (CFEI)

EXPERT TESTIMONY

As a result of Mr. Mowry's investigations and analyses, he has provided expert witness testimony in both federal and state courts in matters related to forensic engineering, investigations, failure analyses, pedestrian safety, plumbing failures, and more. Mr. Mowry's work has been for both plaintiffs and defendants.

ENGINEERING AND DESIGN

While at Iofina Resources, Inc., Mr. Mowry oversaw the design, installation, and improvement of multiple iodine extraction facilities located on salt water disposal facilities in the mid-stream oil and gas fields in northwestern Oklahoma. He performed equipment sizing and hydraulic analyses for pumps and piping systems, including acidic and caustic fluid handling systems. Mr. Mowry worked closely with project scheduling and budgeting through the design, construction, and commissioning of the facilities. While at Shaw, Stone, & Webster, he also was involved in multiple multimillion-dollar projects including overseeing the design, management, implementation, and start-up of multiple heavy equipment replacement projects at an operational nuclear power generation facility. His work at Shaw, Stone, & Webster included the replacement of the high-pressure turbine, condensate pumps and motors, low and high-pressure feedwater heaters, isolated phase bus duct cooler, main feedwater pumps and motors, and main steam and feedwater pipe support upgrades. In addition, Mr. Mowry oversaw multiple licensing and design basis evaluation projects for nuclear safety related equipment at an operational nuclear power generation facility. He performed federal regulatory evaluation and industry code evaluation for mechanical systems including the auxiliary feedwater systems, containment fan cooling units, and the containment spray system. In addition, Mr. Mowry was the author of a license amendment request submitted to the Nuclear Regulatory Commission to revise the licensing basis for the nuclear facility.

PROFESSIONAL AFFILIATIONS:

Mr. Mowry is a member of the following technical and professional societies:

NFPA	National Fire Protection Association	ASME	American Society of Mechanical Engineers
NSPE	National Society of Professional Engineers	ASTM	ASTM International
NAFE	National Academy of Forensic Engineers		

PUBLICATIONS

1. Henry V. Mowry, P.E., "Accessibility Matters: ADA Compliance & Premises Liability" Colorado Real Estate Journal. (November 2025).
2. Henry V. Mowry, P.E., "ADA and Premises Liability: Dual Exposure" The Insurance Thought Leadership Magazine. (October 2025).
3. Henry V. Mowry, P.E., "Understanding Premises Liability and ADA Compliance Requirements" Risk Management Magazine. (September 2025).
4. Stephen Knapp, P.E., Henry V. Mowry, P.E., and Dave Neidig. "A Forensic Engineering Approach to Documenting and Analyzing Domestic Plumbing Failures" Journal of the National Academy of Forensic Engineers. (December 2020).

TECHNICAL CONFERENCES AND SEMINARS

1. "Premises Liability Investigations", Speaker. Experts University Conference. Denver, CO. 16 April 2026.
2. "The Importance of Human Perception in Incident Reconstruction and the Potential for Misleading Interactive Reconstructions" Speaker. National Academy of Forensic Engineers Conference. Ottawa, ON, Canada, 12 July 2025.
3. "Failure Analysis of a Bolted Connection Resulting in Personal Injury" Speaker. ASM International IMAT Conference. September 2024.
4. "Premises Liability Investigations", Speaker. Experts University Conference. Centennial, CO. 10 May 2024.
5. "Videogrammetry & Point Clouds" Speaker. Public Safety & Forensics Conference. Hosted by Leica Geosystems and Hexagon. Michigan Dr., Milton Keynes MK15 8HT, United Kingdom. 20 - 21 March 2024.
6. "Forensic Engineering Investigations" Speaker. Lewis Brisbois Bisgaard & Smith, LLP. Denver, CO. 5 October 2023.
7. 2023 National Floor Safety Institute (NFSI) Slip, Trip & Fall Prevention Symposium. Seminar. Hurst, TX. 25-26 September 2023.
8. "Forensic Engineering Investigations of Premises Liability Incidents" Speaker. Hall & Evans. Denver, CO. 2 March 2023.
9. "Imaging & Interpreting Data from Event Data Recorders (EDRs)" Speaker. Hall & Evans. Denver, CO. 1 February 2023.
10. "All About EDRs" Speaker. Knott Laboratory, LLC. Centennial, CO. 14 July 2022.
11. "Forensic Engineering & Practices" Speaker. Knott Laboratory, LLC. Centennial, CO. 13 July 2022.
12. "Trip and Falls and Slip Resistance" Speaker. Knott Laboratory, LLC. Centennial, CO. 1 July 2022.
13. "Pneumatic Braking Systems" Speaker. Knott Laboratory, LLC. Centennial, CO. 22 April 2022.
14. "Hydraulic System Design" Speaker. Knott Laboratory, LLC. Centennial, CO. 8 April 2022.
15. "Reasonable Degree of Engineering Certainty" Speaker. Knott Laboratory, LLC. Centennial, CO. 25 February 2022.

16. CXL T Certification. Training. Excel Tribometers, LLC. Dallas, TX 23 February 2021.
17. "All About Event Data Recorders (EDRs) Part 2" Speaker. Knott Laboratory, LLC. Centennial, CO. 18 May 2021.
18. "All About Event Data Recorders (EDRs) Part 2" Speaker. Knott Laboratory, LLC. Centennial, CO. 20 May 2021.
19. "All About Event Data Recorders (EDRs) Part 1" Speaker. Knott Laboratory, LLC. Centennial, CO. 21 January 2021.
20. "All About Event Data Recorders (EDRs) Part 1" Speaker. Knott Laboratory, LLC. Centennial, CO. 26 January 2021.
21. "Downloading & Interpreting Data from Event Data Records (EDRs)" Speaker. Knott Laboratory, LLC. Colorado Springs, CO. 20 February 2020.
22. "Plumbing and Freeze Related Losses" Speaker. Fabric Restoration Services. Denver, CO. 14 November 2019.
23. "How a Pin and Toggle Switch Lead to a Multi-Fatality Vehicle Collision" Speaker. Inner Circle of Investigators, Inc., 2019 Platinum Anniversary Educational Conference. Denver, CO. 25 October 2019.
24. "Experts on Experts: Panel Presentation and Discussion" Speaker. State Bar Center. Albuquerque, NM. 14 December 2018.
25. Crash Data Retrieval (CDR) Technician Specialist Course. Training. Collision Safety Institute. Westminster, CO. 15 - 16 November 2018.
26. "Hail Damage Evaluations: Commercial Roofing & Rooftop Units (RTUs)" Colorado Claims Association Annual Conference. Englewood, CO. 5 October 2018.
27. "Acoustic Soot Agglomeration" Accident Reconstruction Seminar. Speaker. Knott Laboratory, LLC. Centennial, CO. 25 September 2018.
28. "2018 Colorado Trial Lawyers Association Annual Convention" Seminar. Colorado Trial Lawyers Association. Vail, CO. 8 - 11 August 2018.
29. "Ensuring Expert Testimony is Credible, Understandable, and Effective" Speaker. Colorado Defense Lawyers Association. Telluride, CO. 26 July 2018.
30. "2018 Colorado Defense Lawyers Association Annual Convention" Seminar. Colorado Defense Lawyers Association. Telluride, CO. 25 - 28 July 2018.
31. "Regional PLRB Conference" Seminar. Property & Liability Resource Bureau. Glendale, AZ. 26 - 27 June 2018.
32. "Utah Defense Lawyers Association Annual Conference" Seminar. Utah Defense Lawyers Association. Salt Lake City, UT. 4 May 2018.
33. "2018 CTLA Blockbuster Event" Seminar. Colorado Trial Lawyers Association. Denver, CO. 18 January 2018.
34. "NASP 2017 Annual Conference" Seminar. National Association of Subrogation Professionals. Austin, TX. 6-7 November 2017.
35. "2017 Colorado Defense Lawyers Association Annual Convention" Seminar. Colorado Defense Lawyers Association. Santa Fe, NM. 27 - 29 July 2017.

36. "Investigation of Gas and Electric Appliance Fires" Training. Fire Findings. Benton Harbor, MI. 3 - 6 Nov. 2016.
37. "NASP 2016 Annual Conference" Seminar. National Association of Subrogation Professionals. Colorado Springs, CO. 23 - 26 October 2016.
38. "International Fire, Arson & Explosion Investigation Training Program" Training. National Association of Fire Investigators. Seattle, WA. 14 - 17 March 2016.
39. "Acoustic Soot Agglomeration on Residential Fire Alarms – Indications of Functionality" Speaker. Engineering Design & Testing Corp. Columbia, SC. 15 October 2015.