
Jeffery A. Hadley | Senior Consulting Engineer, PE, CFEI

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Professional Summary:

Mr. Hadley has thirty-six years of domestic and international experience in civil, structural, mechanical, industrial and systems engineering. His undergraduate education was in civil engineering, with a focus on structural and geotechnical engineering. He holds a Master of Science in Engineering degree focused in mechanical and industrial engineering. He is Nationally Certified in Fire and Explosions Investigations, having lead joint investigations of origin and cause determinations in various states. His professional experience has included civil, structural, geotechnical, mechanical, fire science, material sciences, quality analysis/control and process/production optimization related design, construction, manufacturing and operational issues. Mr. Hadley's expertise includes origin and cause investigations related to structural failures and damages, fires and explosions, catastrophe response, hail and wind damage, foundation settlement, and water/moisture intrusion. He has extensive experience with FDA and local, state and federal regulatory agency coordination and building code regulation compliance. Frequently called on to analyze construction issues, process and system failures and resolutions involving food, beverage, and material handling equipment, commercial/residential investigations and civil/structural/construction engineering projects. He has had project engineering and management responsibilities for various "Greenfield" Plant constructions, equipment designs, processing lines/systems and expansion projects throughout North America and Europe.

- Construction, Structural and Foundations Designs and Failure Analysis
- Machinery, Construction, Product and Materials Defect Analysis
- Water/Moisture Intrusion & Mold Causations
- Wind, Hail and Water Building Damage Determination
- Fire and Explosion Origin & Cause Determination
- Building Code Compliance Evaluation
- Patent Infringement Technical Evaluations for both US and International Patents

Licenses and Certifications:

Professional Engineer, AL, #29475

Professional Engineer, CT, #0026629

Professional Engineer, DE, #16427

Professional Engineer, FL, #67991

Professional Engineer, GA, #033087

Professional Engineer, IN, #60860389

Licenses and Certifications (continued):

Professional Engineer, KY, #25908
Professional Engineer, LA, #35069
Professional Engineer, MD, #36383
Professional Engineer, MS, #18637
Professional Engineer, NH, #12582
Professional Engineer, NY, #086289
Professional Engineer, NC, #033655
Professional Engineer, OH, #76465
Professional Engineer, PA, #076182
Professional Engineer, SC, #26455
Professional Engineer, TN, #00112626
Professional Engineer, VA, #044785
Certified Fire & Explosion Investigator, NAFI, US, #13455-6692

Court Qualifications/ Depositions:

Litigation CV available upon request.

Professional Experience:

EFI Global, Inc, Senior Consulting Engineer, 2014 – Present
Hadley Forensic Engineering Associates, PLLC, President/Sr. Principal Engineer, 2010 – Present
Forensic Analysis & Engineering Corporation, VP Engineering & Technology, 2007 – 2010
Turkington APV USA, VP Engineering, 2006 – 2007
ADICO International, VP Engineering & Technology, 2004 – 2006
Elopak, Inc, Executive Director Research & Engineering, 1999 – 2004
SIG-Combibloc, Inc, Director Operations & Engineering, 1993 – 1999
FMC Corporation, Director Engineering & Business Development, 1988 – 1993
Ball Corporation, Manager Corporate Engineering & Design, 1982 – 1988

Specialized Education:

Residential Guide to Earthquake Design & Construction, Process Engineering Consultants, Derek Finger, 2019
Engineering Pavements Bearing Capacity of Soils, Process Engineering Consultants, Derek Finger, 2019
Foundations and GEO Synthetics, Process Engineering Consultants, Derek Finger, 2019
Indoor Air Quality & Pollution, Process Engineering Consultants, Derek Finger, 2019
Refrigeration Design, Process Engineering Consultants, Derek Finger, 2019

Hydrologic Impact, Process Engineering Consultants, Derek Finger, 2018
Site Safety Intervention, Process Engineering Consultants, Derek Finger, 2018
Soil Mechanics II, Process Engineering Consultants, Derek Finger, 2018
Floodplain Engineering, SunCam, Inc., David E. Fantina, 2018
Stored Energy – Battery Technology, Process Engineering Consultants, Derek Finger, 2018
Storm Water Management, Process Engineering Consultants, Derek Finger, 2018
Soil Stabilization Construction, Process Engineering Consultants, Derek Finger, 2017
Ethic Issues in Forensic Engineering, Process Engineering Consultants, Derek Finger, 2017
Dewatering and Groundwater Control Systems, Process Engineering Consultants, Derek Finger, 2017
Fire Protection Engineering, Process Engineering Consultants, Derek Finger, 2017
Payment Design in Seasonal Frost Conditions, Process Engineering Consultants, Derek Finger, 2017
Inspection of Boilers and Unfired Pressure Vessels, Process Engineering Consultants, Derek Finger, 2016
Flexible Pavement Design, Process Engineering Consultants, Derek Finger, 2016
Drainage Pipe Strength, Cover and Bedding, Process Engineering Consultants, Derek Finger, 2016
Soil Grouting, Process Engineering Consultants, Derek Finger, 2016
Helical Anchors/Piles, SunCam, Inc., Thomas B. Watson III, 2016
Preparation of Foundations for Structures, Process Engineering Consultants, Derek Finger, 2015
Geo Sinkholes, Process Engineering Consultants, J. Paul Guyer, 2015
Boiler Control Systems, Process Engineering Consultants, J. Paul Guyer, 2015
Composite Engineered Materials, Process Engineering Consultants, Derek Finger, 2015
Mechanical Energy Storage, Process Engineering Consultants, Derek Finger, 2015
Intellectual Property & Patent, SunCam, Inc. / Luis Fiarella and Raymond Barrett, 2014
Corrosion Control and Tactics, SunCam, Inc., Gerald O. Davis, 2014
Hurricane Design: Preparation & Awareness, Process Engineering Consultants, Ron Finger, 2013
Forensic Engineering Science, Process Engineering Consultants, Ron Finger, 2013
Mechanical Science, Process Engineering Consultants, Derek Finger, 2013
Volatile Chemical Compounds, Process Engineering Consultants, Ron Finger, 2013
Mold Infiltration, Titan Continuing Education, Inc., John MacGiffert, 2013
Forensic Structural Inspections, PDH Engineering, Mary McElroy, 2013
National Fire, Arson and Explosion Investigation Training Program, NAFI, 2013 & 2018
Settlement Analysis, Process Engineering Consultants, Robert L. Herndon, 2012
Forensic-Sinkhole Damages to Buildings, Southard Engr., Inc., Thomas Sputo, 2012
Inspection, Evaluation and Repair of Hydraulic Steel Structures, U.S. Army Engineers, 2011
Repair of Rigid Pavements Using Epoxy Resin Grouts, Mortars and Concretes U.S. Army Engineers, 2011
Maintenance and Repair of Roofs, U.S. Army Engineers, 2011
Guide to Thermal Stress & Brittle Fractures, Process Engineering Consultants, Tom Roberts, 2009
Soils Stabilization for Pavements, Process Engineering Consultants, Tom Roberts, 2009
Explosion Safety Standards, Process Engineering Consultants, Tom Roberts, 2009
Combustion Dust in Industry, Process Engineering Consultants, Tom Roberts, 2009
Causes of Distress & Deterioration of Concrete, Process Engineering Consultants, T Roberts, 2008

Education:

Master of Science, Engineering, Interdisciplinary Engineering, Purdue University, West Lafayette, IN, 1989

Bachelors of Science, Civil Engineering, Tri-State University, Angola, IN, 1982



Affiliations:

National Association of Fire Investigators (NAFI)
North Carolina Insurance Crime Information Crime Exchange (NCICIE) South Carolina Insurance
Fraud Investigators (SCIFI)

Courses Instructed/ Guest Lecturer:

Examining the Role of Forensic Engineering for HalfMoon Education, Inc. – 2014
Forensic Engineering for North Carolina State University, 2009 to Present