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GREGORY H. SHOSS, P.E., CFEI, CVFI SENIOR CONSULTANT

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Mr. Shoss is an electrical engineer with over 8 years of experience investigating accidents and claims involving electrical faults and malfunctions, particularly those suspected of causing a fire, equipment damage, or injury. He conducts scene / laboratory examinations and tests to determine the mode, sequence, or component of failure involved in the damage to equipment, vehicles, or individuals. He tests, analyzes, and evaluates various types of electrical power distribution equipment, appliances, products, and workmanship for appropriate safety and design.

Prior to his career in accident investigations, Mr. Shoss worked for a major electrical equipment manufacturer and service provider of residential, commercial, and industrial products. He held various positions in field services, power systems engineering, applications, and product management responsible for maintenance, testing, troubleshooting, training, and performing data collection, system upgrades, power quality, protective device coordination, and arc flash calculation studies.

Mr. Shoss is a licensed professional electrical engineer in several states and a member of several professional organizations.

Areas of Specialization

Electrical Codes & Standards
Electrical Devices
Fire/Explosion Investigation
Power Distribution
Product Fires
Residential Fires
Shock & Electrocution Hazard

Education

B.S. Electrical Engineering, University of Denver, CO, 2003

Licenses/Certifications

State of Arizona P.E. License 62217
State of California P.E. License E21729
State of Colorado..... P.E. License PE.0051080
State of Florida P.E. License 101016
State of Georgia..... P.E. License PE053576
State of Idaho P.E. License 17598
State of Iowa..... P.E. License P26950
State of Illinois P.E. License 062071369
State of Kansas P.E. License 29508

State of Louisiana P.E. License 45698
State of Massachusetts..... P.E. License 56664
State of Michigan P.E. License 6201311613
State of Minnesota P.E. License 48759
State of Montana P.E. License PEL-PE-LIC-62869
State of Nebraska P.E. License E-17314
State of Nevada P.E. License 024355
State of New Mexico P.E. License 23614
State of North Carolina..... P.E. License 059991
State of North Dakota P.E. License PE-7298
State of Oregon P.E. License 92456PE
State of South Dakota..... P.E. License 14370
State of Texas P.E. License 125459
State of Utah..... P.E. License 9779366-2202
State of Washington P.E. License 55326
State of Wisconsin P.E. License 49108-6
State of Wyoming P.E. License 15606

Remote Pilot with sUAS rating per Title 14 CFR Part 107, Federal Aviation Administration
Certified Fire and Explosion Investigator (CFEI), NAFI
Certified Vehicle Fire Investigator (CVFI), NAFI
National Council of Examiners for Engineering and Surveying (NCEES) Record
Model Law Engineer (MLE)

Professional Affiliations

Institute of Electrical and Electronics Engineers (IEEE)
National Society of Professional Engineers (NSPE)
International Association of Arson Investigators (IAAI)
National Association of Fire Investigators (NAFI)
National Fire Protection Association (NFPA), Electrical Section Member

Positions Held

Engineering Systems Inc., Plymouth, Minnesota

Senior Consultant, 2021 – Present

SEA, Ltd., Golden, CO

Forensic Electrical Engineer, 2015 – 2021

Eaton Corporation, Moon Township, PA

Product Manager, 2014 – 2015



Eaton Corporation, Minnetonka, MN

Product Line Application Engineer, 2012 – 2014

Eaton Corporation, Minnetonka, MN

Senior Power Systems Engineer, 2008 – 2012

Eaton Corporation, Minnetonka, MN

Field Service Engineer, 2006 – 2008

Arjay Automation, Inc., Richfield, MN

Inside Sales / Technical Support Engineer, 2004 – 2006