

MATTHEW M. ELLIOTT

CURRICULUM VITAE

EDUCATION

Bachelor of Science in Electrical Engineering, University of Massachusetts, Amherst, Massachusetts, 2003

Further Professional Studies in Experimentation, Photography, Fire & Explosion Investigation, Fire Dynamics, Premise Wiring, Appliance Failures, and Electrical Fires

EXPERIENCE

2007 - Present NEPONSET VALLEY ENGINEERING COMPANY, Inc., d/b/a GAI Engineers, a forensic engineering firm.

Investigate the technical aspects of property damage and personal injury matters, utilizing expertise in electrical engineering.

Complete scene examinations, witness interviews, evidence examinations, research, document review, testing, engineering calculations, and report writing on electrical equipment and systems.

Electrical projects include household appliances, consumer electronics, power tools, restaurant equipment, laundering equipment, computer systems, telephone systems, premise wiring, electrical service equipment, etc.

2004 – 2007 NEW ENGLAND FIRE CAUSE AND ORIGIN, Inc., Rochester, NH, a fire investigation firm.

Investigate the cause of structure fires, utilizing expertise in electrical engineering.

Complete scene examinations, evidence examinations, research, document review, testing, and report writing on electrical equipment and systems.

Electrical projects include household appliances, consumer electronics, power tools, restaurant equipment, laundering equipment, computer systems, telephone systems, premise wiring, electrical service equipment, etc.

2003-2004 NATIONAL GRID, Hopedale, MA, an electric utility company.

Design and maintain electrical distribution systems supplying power to residential and commercial properties. Work with line crews to ensure proper build of designs. Prepare plans to upgrade distribution systems as to accommodate current and anticipated loads.

TRAINING

<u>Date</u>	<u>Course Title</u>	<u>Hours</u>	<u>Sponsor(s)</u>
Jan 23	NFPA 1033 & 921: 2022/2021 Editions Important Updates	3	International Association of Arson Investigators
Jan 23	Lithium-Ion Battery Fires	3	International Association of Arson Investigators
Jan 23	Introduction to Evidence	4	International Association of Arson Investigators
Jan 23	Fire Chemistry	3	International Association of Arson Investigators
Jan 23	Evidence Examination: What Happens at the Lab	4	International Association of Arson Investigators
Jan 23	Electric & Hybrid Vehicle Fires	3	International Association of Arson Investigators
Jan 23	Electric & Hybrid Vehicle Design Basics	3	International Association of Arson Investigators
Jan 23	The Deposition - Part 2	3	International Association of Arson Investigators
Dec 20	The Deposition – Part 1	3	International Association of Arson Investigators
Dec 20	Introduction to Appliances	3	International Association of Arson Investigators
Aug 20	Insurance and the Fire Investigation	4	International Association of Arson Investigators
Aug 20	Charting Your Career Path in Fire Investigation	3	International Association of Arson Investigators
Aug 20	Discovery in Civil Cases	3	International Association of Arson Investigators
Jun 20	Critical Evaluation and Testing of Commonly Reported Accidental Causes	3	International Association of Arson Investigators
Jun 20	Electrical Safety	3	International Association of Arson Investigators
Jun 20	What the Insurance Professional Needs to Know Know About Fire Investigations	4	International Association of Arson Investigators
Sep 16	Investigating Solid Fuel-Burning Appliance Fires	16	Fire Findings
Feb 15	Documenting the Event	4	International Association of Arson Investigators

<u>Date</u>	<u>Course Title</u>	<u>Hours</u>	<u>Sponsor(s)</u>
Feb 15	Fire Investigator Scene Safety	3	International Association of Arson Investigators
Feb 15	Effective Investigation and Testimony	3	International Association of Arson Investigators
Feb 15	Ethics and the Fire Investigator	3	International Association of Arson Investigators
Jan 15	Residential Electric Systems	4	International Association of Arson Investigators
Jan 15	Critical Thinking Solves Cases	4	International Association of Arson Investigators
Jan 15	Process of Elimination	3	International Association of Arson Investigators
Jan 15	Basic Electricity	4	International Association of Arson Investigators
Oct 13	Spontaneous Chemical Causation & Liquid / Gaseous Fuels	8	Maine Chapter of International Association of Arson Investigators
Mar 13	Arc Mapping Basics	4	International Association of Arson Investigators
Jan 13	Fundamentals of Engineering Review	39	Worcester Polytechnic Institute
Dec 10	Arc Flash Mitigation	6	Three C Electrical and ABB
Nov 09	National Electrical Code Seminar	21	National Fire Protection Agency
Jun 07	Fire and Arson Investigation Seminar On Appliance Fires	20	Massachusetts Chapter of International Association of Arson Investigators
Jul 06	Ashes to the Courtroom	8	The Institute of Fire Science
Apr 06	Expert Testimony, The Daubert Decision, Magnetek Case, etc	8	Maine Chapter of International Association of Arson Investigators
May 05	Arson Seminar	40	St. Anslem College
Sep 04	Electricity and Fire	13	The Institute of Fire Science
Sep 04	Basic Fire Investigation	20	The Institute of Fire Science
Oct 04	Investigation of Gas and Electric Appliances	32	Fire Findings

Aug 04	National Fire, Arson, & Explosion Investigation Training Program	24	National Association of Arson Investigators & National Fire Protection Association
Aug 04	National Seminar on Fire Analysis Litigation	16	National Association of Fire Investigators & National Fire Protection Association

PROFESSIONAL

Certified Fire & Explosion Investigator, 10145-4585, National Association of Fire Investigators
 Institute of Electrical and Electronics Engineers
 National Association of Fire Investigations
 National Fire Protection Association
 International Association of Arson Investigators - Maine Chapter