

Forensic-Electric.com

August Mennella, PE, CFEI, CVFI

1108 East Inverness Boulevard #109

Inverness, Florida 34452

(615) 530-7227

AMennella@Forensic-Electric.com

ABSTRACT Twenty-six years combined experience in forensic engineering, fire and explosion investigation, electrical failure analysis, general construction, electrical systems design and troubleshooting. Registered Professional Engineer (PE), Certified Fire and Explosion Investigator (CFEI), Certified Vehicle Fire Investigator (CVFI).

EXPERIENCE

2009-Present	Forensic Electrical Engineer and Fire Investigator <i>Self-Employed, Inverness, Florida</i> Engineering investigations of electrical equipment failures and lightning damage. Specializing in electrical fire investigation.
2006-2009	Senior Forensic Electrical Engineer <i>Donan Engineering Company, Nashville, Tennessee</i> Engineering investigations of electrical and electro-mechanical equipment failures, lightning damage and electrical fires.
1999-2006	Construction Engineering Consultant <i>Self-Employed, Inverness, Florida</i> Residential, commercial and industrial construction projects
1993-1999	Construction Contractor <i>Self-Employed, West Palm Beach, Florida</i> Residential and commercial construction projects
1989-1993	Configuration Control Engineer <i>Bechtel Power Corporation, Palm Beach Gardens, Florida</i> Engineering review and revision of Power plant design documents.
1985-1989	Project Engineer <i>Dynalantic Corporation, Deer Park, New York</i> Electronic control systems design
1984-1985	Field Engineer <i>Westinghouse Combustion Controls, Hillside, New Jersey</i> Troubleshooting of industrial control systems



CERTIFICATIONS and LICENSES

- **Registered Professional Engineer**, National Council of Examiners for Engineering and Surveying (NCEES) , Record #40816
- **Certified Fire and Explosion Investigator**, National Association of Fire Investigators (NAFI), Registration #14929-8242
- **Certified Vehicle Fire Investigator**, NAFI, September, 2011
- **Licensed Professional Engineer**, Florida #PE53872
- **Licensed Professional Engineer**, Tennessee #00110686
- **Licensed Professional Engineer**, Kentucky #27186
- **Licensed Professional Engineer**, Mississippi #19919

AFFILIATIONS

National Fire Protection Association (NFPA), Electrical Section
National Society of Professional Engineers (NSPE)
National Association of Fire Investigators (NAFI)
International Association of Arson Investigators (IAAI)
Florida Engineering Society (FES)
Florida Institute of Consulting Engineers (FICE)

FORMAL EDUCATION

1984 **Bachelor of Science, Electrical Engineering**
University of Florida, Gainesville, Florida

CONTINUING EDUCATION

- 2011 **Vehicle Fire, Arson & Explosion Investigation Science & Technology**, NAFI Seminar, 28 Professional Development Hours (PDH)
- 2011 **Building Construction for the Fire Service**, Florida State Fire College (FSFC), 3 Semester Hours
- 2011 **Fire Prevention Practices**, FSFC, 3 Semester Hours
- 2011 **Private Fire Protection Systems**, FSFC, 3 Semester Hours
- 2011 **(Fire Prevention and Life Safety) Codes and Standards**, FSFC, 3 Semester Hours
- 2011 **The Fire Investigator & the 2011 changes to NFPA 921**, IAAI online Certified Fire Investigator Training (CFITrainer.net), 4 PDH
- 2011 **Explosion Dynamics**, CFITrainer.net, 4 PDH
- 2011 **Fundamentals of Interviewing**, CFITrainer.net, 4 PDH
- 2010 **Ethics for Fire Investigators**, CFITrainer.net, 4 PDH
- 2010 **General Requirements of the National Electrical Code**, Mike Holt Enterprises (NECcode.com) correspondence course, 8PDH
- 2010 **Florida Engineering Laws and Rules**, 2009 edition, Informed Continuing Education (PE.CME.EDU) correspondence course, 4 PDH
- 2010 **Effective Investigation and Testimony**, CFITrainer.net, 3 PDH
- 2010 **Testifying at Trials, Depositions and other Adjudicative Settings**, Technical Advisory Service for Attorneys (TASANet.com), 1 hour webinar
- 2010 **Investigating Motor Vehicle Fires**, CFITrainer.net, 4PDH
- 2010 **Electrical Safety**, CFITrainer.net, 3PDH
- 2010 **Ignitable liquids**, IAAI Annual Training Conference (ATC), 4 PDH
- 2010 **Cigarette Gasoline Ignition**, IAAI ATC, 2 PDH
- 2010 **Fire Investigation Reviews: How it Looks From the Other Side**, IAAI ATC, 4 PDH
- 2010 **Motor Home & RV Fire Investigations**, IAAI ATC, 4 PDH
- 2010 **Vehicle Fire Investigations**, IAAI ATC, 4 PDH

- 2010 **Marine Vessel Fire Investigations**, IAAI ATC, 8 PDH
- 2010 **Fires Caused by Energized Gas Lines**, IAAI ATC, 4 PDH
- 2010 **Critical Thinking Solves Cases**, CFITrainer.net, 4 PDH
- 2010 **Documenting the Event**, CFITrainer.net, 4 PDH
- 2010 **Evidence Examination: What Happens at the Lab?** CFITrainer.net, 4 PDH
- 2009 **Fire Investigator I**, Volunteer State Community College, 4 Semester Hours
- 2009 **Fire Investigator Scene Safety**, CFITrainer.net, 3 PDH
- 2009 **Fire and Explosion Investigations Utilizing NFPA 921 and 1033**, CFITrainer.net, 4 PDH
- 2009 **The Scientific Method for Fire and Explosion Investigation**, CFITrainer.net, 3 PDH
- 2009 **Introduction to Evidence**, CFITrainer.net, 4 PDH
- 2009 **Physical Evidence at the Fire Scene**, CFITrainer.net, 4 PDH
- 2009 **Arc Mapping Basics**, CFITrainer.net, 4 PDH
- 2009 **Understanding Fire through the Candle Experiments**, CFITrainer.net, 4 PDH
- 2009 **Digital Photography and the Fire Investigator**, CFITrainer.net, 4 PDH
- 2009 **Vacant and Abandoned Buildings: Hazards and Solutions**, CFITrainer.net, 4 PDH
- 2009 **A Ventilation-Focused Approach to the Impact of Building structures and Systems on Fire Development**, CFITrainer.net, 4 PDH
- 2009 **Postflashover Fires**, CFITrainer.net, 4 PDH
- 2009 **Fire Dynamics and Modeling**, CFITrainer.net, 4 PDH
- 2009 **Motive, Means and Opportunity: Determining Responsibility in an Arson Case**, CFITrainer.net, 4 PDH
- 2009 **Investigating Fatal Fires**, CFITrainer.net, 4 PDH
- 2009 **MagneTek: A Case Study in the Daubert Challenge**, CFITrainer.net, 2 PDH
- 2008 **Investigation of Electrical and Appliance Related Fires: A Technical and Scientific Approach**, American Home Appliance Manufacturers Association Seminar, 20 PDH
- 2008 **Investigating Residential Dryer Fires**, Fire Findings Laboratories seminar, 12.5 PDH
- 2008 **Vehicles 101: Basic Automotive Technology**, Donan Engineering Company seminar, 8 PDH
- 2008 **Understanding Air Conditioning and Refrigeration Systems**, American Trainco Seminar, 16 PDH
- 2007 **Hazardous Classified Locations**, NFPA Seminar, 7PDH
- 2007 **Basics of the National Electrical Code**, NFPA Seminar, 21 PDH
- 2007 **Grounding and Bonding In accordance with the National Electrical Code**, NECcode.com, correspondence course, 20 PDH
- 2006 **Journeyman Electrician Technology**, Penn Foster Career School, 100+ study hours
- 2001 **Reading Architectural Drawings**, Palm Beach State College, 3 semester hours
- 2001 **AutoCAD**, New England Institute of Technology, 3 semester hours
- 1991 **QUEST Quality Improvement Techniques**, Bechtel Corporation

COURSES TAUGHT

- 2004 **College Preparatory Algebra**, Cypress Creek Juvenile Correction Facility
- 1991 **Statistical Process Controls Database Concepts**, Bechtel Corporation