

Dennis J. Scardino

PE, IAAI-CFI, CFEI, CFII, CVFI
Senior Managing Consultant



Mr. Scardino is a Professional Engineer (P.E.) in Mechanical Engineering with more than 45 years of experience in fire and explosion analysis. He is an International Association of Arson Investigators (IAAI) Certified Fire Investigator (CFI) and holds additional certifications as a Certified Fire and Explosion Investigator (CFEI), Certified Fire Investigation Instructor (CFII), and Certified Vehicle Fire Investigator (CVFI) through the National Association of Fire Investigators (NAFI).

Since 1981, Mr. Scardino has conducted forensic failure analyses and fire/explosion origin and cause analysis. He has qualified as an expert witness in the disciplines of fire origin and cause and mechanical engineering in both State and Federal Courts throughout the Southeastern United States.

Throughout his career, Mr. Scardino has provided professional services to insurance companies, adjusting firms, law firms, private and public entities, and private individuals. His experience includes work for both defense and plaintiff parties in civil litigation.

Mr. Scardino has extensive expertise in determining the origin and cause of fires and explosions involving residential, commercial, industrial, automotive, heavy equipment, marine vessels, offshore facilities and upstream, midstream and downstream petrochemical installations and operations.

Education

B.S., Mechanical Engineering, Mississippi State University, 1986

Professional Engineering Licenses

- State of Louisiana License No. 29622
- State of Mississippi License No. 20373
- State of Texas License No. 112104
- State of Arkansas License No. 16865
- State of Alabama License No. 40102

Contact Information

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ESi Houston

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Areas of Specialization

- Fires and Explosions
- Industrial Accident Analysis and Reconstruction
- Automatic Fire Sprinkler Systems, Security Systems
- Engineered Fire Suppression/Extinguishment Systems
- Slip and Fall Hazards Analysis and Evaluations
- Code Compliance (NFPA, SBCCI, ANSI, FM, OSHA, ABYC, NEC, etc.)
- Water Loss Causation Investigations
- Post-Accident Mechanical Evaluation of Vehicles and Vessels
- Product Liability Litigation
- Forensic Evaluation of Failed Components
- Marine Vessel Failure Analysis
- Loss Investigation Training

Positions Held

Engineering Systems Inc., Houston, Texas

- Senior Managing Consultant, 2013 – Present
- Manager, Houston Operations, 2014 – 2024
- Senior Consultant, 2005 – 2013

EFI Global/Engineering and Fire Investigation, Inc., Houston, Texas

- Senior Technical Consultant, 2002 – 2005
- Mechanical Engineer/Fire Investigator/District Manager, (CH&A), 1998 – 2002
- Fire Investigator, (INS Investigations Bureau), 1997 – 1998

Interscience, Inc., Tampa, Florida

- Senior Failure Analyst/Branch Manager, 1990 – 1997
- Failure Analyst, 1988 – 1990

FM Global/Factory Mutual Engineering

- Loss Prevention Consultant Level II, 1986 – 1988

Sigma Associates, Ltd.

- Staff Technician, 1981 – 1985

Continuing Education

- **Exceeding Outdated Fire Protection Standards** – NFPA 18A, 2025
- **LAPELS** – Professional Ethics Webinar, 2025
- **Critical Tasks in Fire Investigations** – Tarrant County Fire & Arson Investigators Association, 2024
- **Investigating Lightning Strike Fires** – Tarrant County Fire & Arson Investigators Association, 2024
- **Electrical Aspects of Scene Examination & Investigating Appliance and Product Failures** – Tarrant County Fire & Arson Investigators Association, 2024
- **Hands-on Fire Scene Photography** – Tarrant County Fire & Arson Investigators Association, 2024
- **Mental Health for Fire Investigators** – Tarrant County Fire & Arson Investigators Association, 2024
- **Bridging Justice: The Victoria Islamic Center Fire Investigation** – Tarrant County Fire & Arson Investigators Association, 2024
- **Case Study: Haltom City Arson** – Tarrant County Fire & Arson Investigators Association, 2024
- **Hummel Murder Case Study** – Tarrant County Fire & Arson Investigators Association, 2024

- **Making Arson Cases Stronger to Withstand Defense Attorneys** – Tarrant County Fire & Arson Investigators Association, 2024
- **Tanks 101 Course** – NISTM, 2023
- **16th Annual National Aboveground Storage Tank Conference** – NISTM, 2023
- **Hot Work Safety Online Training** – NFPA, 2023
- **Engineering Ethics: The East Ohio Gas Company Explosion** – PDHengineer.com, 2023
- **Protecting Flammable and Combustible Liquids** – SFPE, 2022
- **Chemistry and Thermal Events** – Engineering Systems Inc., 2022
- **Current States of OSAC and NFPA 921, 1033, 1321** – Engineering Systems Inc., 2022
- **LP Gas Sample Collection** – Engineering Systems Inc., 2022
- **Industrial Loss Prevention** – Engineering Systems Inc., 2022
- **Contacts and Terminals** – Engineering Systems Inc., 2022
- **Computational Analysis** – Engineering Systems Inc., 2022
- **Circuit Board Potential Ignition** – Engineering Systems Inc., 2022
- **Fundamentals of Fire Investigation: The Relationship Between Compartment Fire Dynamics and Resulting Post-Incident Damage Patterns** – SFPE, 2022
- **Propane Explosions: Investigation, Failure Modes, Scene Exam, and Litigation Essentials** – IAAI, 2022
- **How Things Break: Thermal Effects** – PDHengineer.com, 2022
- **Engineering Ethics: The Ford Pinto Exploding Fuel Tank** – PDHengineer.com, 2022
- **MagneTek: A Case Study in the Daubert Challenge** – IAAI, 2022
- **Extreme Ownership 100 Series** – Echelon Front Online Foundation Courses, 2021
- **Premium Webinar, Forensics and FPE Part 5: Power Hour** – SFPE, 2021
- **Premium Webinar, Forensics and FPE Part 4: Analysis of Selected Fire Protection System Failures** – SFPE, 2021
- **Premium Webinar, Forensics and FPE Part 3: Applications of Fire Science in Forensics** – SFPE, 2021
- **Premium Webinar, Forensics and FPE Part 2: Engineering Analysis of Building Fires** – SFPE, 2021
- **Premium Webinar, Forensics and FPE Part 1: High Level Overview** – SFPE, 2021
- **Engineering Ethics** – PDH-Pro, 2021

- **Lithium-Ion Battery Fires** – IAAI, 2021
- **Live Premium Webinar Series, Human Behavior Power Hour** – SFPE, 2021
- **Live Premium Webinar Series, Human Behavior Part 3: Engineering Practice** – SFPE, 2021
- **Live Premium Webinar Series, Human Behavior Part 2: Tools for Evacuation Design** – SFPE, 2021
- **Live Premium Webinar Series, Human Behavior Part 1: Theory & Data** – SFPE, 2021
- **Investigating Natural Gas Systems** – IAAI, 2021
- **Critical Evaluation and Testing of Commonly Reported Accidental Causes** – IAAI, 2021
- **Motor Vehicle Incident Analysis: Opposing the Adverse Expert** – Engineering Systems Inc., 2020
- **Recommended Guidelines for Design, Construction and Forensic Evaluation of Inground Swimming Pools in Texas** – Geotech Engineering and Testing, 2020
- **Professional Ethics for Texas Engineers** – PDHengineer.com, 2020
- **A Study of Reproducibility of a Full-Scale Multi-Room Compartment Fire Experiment** – SFPE, 2020
- **NFPA 285: A Burning Question Combustibles in Non-Combustible Construction** – Internek, 2020
- **Evaluation of Foundation Distress and Causation for Distress of Building Structures** – Geotech Engineering and Testing, 2020
- **How to Prevent Thermal Runaway in Lithium-Ion Batterie** – SFPE, 2020
- **Data at a Distance: The Art of Remote Inspections** – Event, DRI, 2020
- **Electrical Aspects of Fire Investigation** – IAAI, 2019
- **Electrical Safety** – IAAI, 2019
- **Basic Electricity** – IAAI, 2019
- **Residential Electrical Systems** – IAAI, 2019
- **Engineering Ethics for Texas Professional Engineers** – Continuing Education & Development, 2019
- **HVAC Fundamentals and their (Mis)Application** – Engineering Systems Inc., 2019
- **29 CFR 1910.120 Hazardous Waste Operations & Emergency Response** – Engineering Systems Inc., 2019
- **Gas Dispersion Analysis** – Engineering Systems Inc., 2019
- **Case Study: Williams V. Centerpoint** – Engineering Systems Inc., 2019
- **Case Study: Oil Field Fires** – Engineering Systems Inc., 2019

- **Self-Heating** – Engineering Systems Inc., 2019
- **VOC Detection Camera** – Engineering Systems Inc., 2019
- **Case Study: Bottle Rockets** – Engineering Systems Inc., 2019
- **NRTLs in the Forensic World** – Engineering Systems Inc., 2019
- **Airplane Electrical Power Generation, Systems & Installations** – Engineering Systems Inc., 2019
- **Cargo Vessel MV Courage Vehicle Fire** – Engineering Systems Inc., 2019
- **Getting ESI's Work into Evidence** – Engineering Systems Inc., 2019
- **Marine Fire Investigation** – IAAI, 2019
- **VR's Past and Future: Entering the Digital World** – Engineering Systems Inc., 2019
- **Understanding Undetermined** – IAAI, 2018
- **Design of Bolted Flange Joints** – ASME, 2018
- **ASME B31.4 Pipeline Transportation Systems for Liquid Hydrocarbons and Other Liquids** – ASME, 2018
- **Forensic Analysis Involving Fugitive Natural Gas and Propane** – SunCam, Inc., 2018
- **Visualization Demonstration** – Engineering Systems Inc., 2018
- **Case Study: Large Transport Category Airplane Accident Investigation** – Engineering Systems Inc., 2018
- **Preparation for Deposition** – Engineering Systems Inc., 2018
- **Case Study: Engineering Ethics, The Deepwater Horizon Disaster** – SunCam, Inc., 2018
- **NFPA 72 & Carbon Monoxide Detection and Warning Equipment** – NFPA, 2018
- **Computational Fluid Dynamics** – Engineering Systems Inc., 2018
- **Case Study: Cigarette Calcination** – Engineering Systems Inc., 2018
- **Case Study: Petrochemical Fire** – Engineering Systems Inc., 2018
- **Fire Investigation Techniques: Thermography of Automobile Fire** – Engineering Systems Inc., 2018
- **Data Acquisition** – Engineering Systems Inc., 2018
- **Prediction of Mechanical Properties of Carbon and Low Alloy Steels After Heat Treatment or Cold Work** – Engineering Systems Inc., 2018
- **Damage Tolerance Analysis of a Yankee Roller using FEA and NASGRO** – Engineering Systems Inc., 2018
- **Process of Elimination** – CFITrainer.net, 2018

- **How Things Break: Thermal Effects** – PDHengineer.com, 2017
- **Engineering Ethics for Texas Professional Engineers** – CEDengineering.com, 2017
- **Automotive Accident Crash Testing** – Engineering Systems Inc., 2017
- **Primary Battery Training Seminar** – Engineering Systems Inc., 2017
- **Arc Mapping** – Engineering Systems Inc., 2017
- **Fire Protection Systems and Common Failure Modes** – Engineering Systems Inc., 2017
- **Site Inspection: Electrical Safety / Electrical Equipment** – Engineering Systems Inc., 2017
- **Propane Incident Investigation** – Engineering Systems Inc., 2017
- **GM Ignition Switch Litigation** – Engineering Systems Inc., 2017
- **Recorded Data Sources Available in Aviation Accidents** – Engineering Systems Inc., 2017
- **Large Loss Fire Investigations: The ABC's of an SOP to CYA** – IAFI, 2016
- **Professional Engineering Practices Update: Ethics** – TBPE, 2016
- **Asbestos Awareness Training** – Safety Unlimited, 2016
- **Advanced Principles of Fire Dynamics Program** – Gulf Coast Fire, 2015
- **Arc Flash & NFPA 70E** – Westex by Milliken, 2015
- **Digital Image Correlation (DIC)** – Engineering Systems Inc., 2015
- **Water Based Systems, Part 2 Water Supplies** – SFPE, 2015
- **Passive Fire Protection & Life Safety** – SFPE, 2015
- **Human Behavior: Human Response** – SFPE, 2015
- **Passive Building Systems** – SFPE, 2015
- **Fire Explosion Protection and Protection Systems** – SFPE, 2015
- **Smoke Management Systems** – SFPE, 2015
- **Fire Detection and Alarm Systems** – SFPE, 2015
- **Special Hazard Systems** – SFPE, 2015
- **Time Management** – Baker Communications, Inc, 2015
- **Water Based Extinguisher Systems** – SFPE, 2015
- **Fire Protection Analysis: Division 3 Fire Protection Management** – SFPE, 2015
- **Fire Dynamics** – SFPE, 2015
- **Fire Protection Analysis Types** – SFPE, 2015
- **Engineering Ethics: The East Ohio Gas Company Explosion** – PDHengineer.com, 2015

- **Data Privacy and Cyber-Security Concerns for Claims & Litigation Professionals** – NGCLA, 2015
- **Understanding and Managing Quality Assurance/Quality Control Programs in a Quality Management System Environment** – NGLCLA, 2015
- **Anatomy of an Infrastructure Failure** – NGCLA, 2015
- **Electrical Engineering Forensics** – Engineering Systems Inc., 2015
- **How Hot is Too Hot Based on EIC Standards** – Engineering Systems Inc., 2015
- **3D Laser Scanning: Fire Investigation Techniques** – Engineering Systems Inc., 2015
- **Photographic Techniques** – Engineering Systems Inc., 2015
- **Engineering Investigation Case Studies** – Engineering Systems Inc., 2015
- **Fire Investigation Licensure, Training and Certification** – Engineering Systems Inc., 2014
- **Grounding Impedance: Relevance and Measurement Techniques** – Engineering Systems Inc., 2014
- **Job Safety: An Overview for Consideration** – Engineering Systems Inc., 2014
- **Combustible Dust: From Sparks to Fires to Explosions** – Occupational Health & Safety Magazine Webinar, 2014
- **Dust Explosion Hazards** – GexCon US, 2014
- **Fire Dynamics Calculations** – Version 2.0 – CFITrainer.net, 2013
- **Fire Protection Systems** – CFITrainer.net, 2013
- **Inspection Safety & PPE** – Engineering Systems Inc., 2013
- **Advanced Photography** – Engineering Systems Inc., 2013
- **Fire Science & Litigation** – DRI 2013 Seminar
- **Critical Thinking Solves Cases** – CFITrainer.net, 2012
- **Introduction to Evidence** – CFITrainer.net 2012
- **Documenting the Event** – CFITrainer.net, 2012
- **Preparation for the Marine Fire Scene** – CFITrainer.net, 2012
- **Post Flashover Fires** – CFITrainer.net, 2012
- **Conjugate Heat Transfer Simulations** – Mechanical Engineering Magazine Webinar Series/COMSOL 2012
- **Electrical Forensics Engineering** – Decatur Professional Development, LLC, 2012
- **Expansion Joints In-Depth** – Piping Technology & Products, Inc., 2011

- **Engineering Ethics, Course R102** – PDHonline.org, Inc./PDH Center 2011
- **Combustion and Explosion Thermodynamics** – Engineering Systems Inc., 2010
- **Introduction to Fire Dynamics Simulator and Smokeview: The Society of Fire Protection Engineers** – SFPE, 2010
- **8 Hour HAZWOPER Refresher Training 29 CFR 1910.120 (e) (8)** – Houston Area Safety Council, 2010, 2011, 2012, 2013, 2015, 2016
- **Fire Investigation Testing** – Engineering Systems Inc., 2010
- **Wind Loads** – Engineering Systems Inc., 2010
- **Human Behavior Patterns in Fire Situations** – Engineering Systems Inc., 2010
- **Fire and Explosion Investigations: Utilizing NFPA 1033 and 921** – CFITrainer.net, 2009
- **Arc Mapping Basics** – FCITrainer.net, 2009
- **40 Hour HAZWOPER Training 29 CFR 1910.120 (e) (3) (i)** – Houston Area Safety Council, 2009
- **Professional Ethics for Engineers** – Decatur Professional Development, LLC, 2009
- **Vehicle Fire, Arson & Explosion Investigation Science & Technology Seminar** – NAFI, 2007
- **Boiler Failures** – Engineering Systems Inc., 2007
- **Finite Element Analysis** – Engineering Systems Inc., 2006
- **Engineering Ethics** – Engineering Systems Inc., 2006
- **OSHA Fire Protection & Prevention** – RedVector.com, Inc., 2006
- **Safety: Electrical Part 1, Fundamentals, Materials & Equipment Grounding** – RedVector.com, Inc., 2006
- **Safety: Fire Part 1 – Workplace Fire Hazards & Preventing Fires** – RedVector.com, Inc., 2006
- **Ethics and the Fire Investigator** – CFITrainer.net, 2006
- **The Scientific Method for Fire and Explosion Investigation** – CFITrainer.net, 2006
- **MagneTek: A Case Study in the Daubert Challenge** – CFITrainer.net, 2006
- **Digital Photography and the Fire Investigator** – CFITrainer.net, 2006
- **Introduction to Fire Dynamics and Modeling** – CFITrainer.net, 2006
- **Basics of Failure Investigations and Forensic Engineering** – Red Vector.com, Inc., 2005
- **Ethical Decision Making for Engineers** – RedVector.com, Inc., 2005
- **Fire Safety Design: Egress and Extinguishing Systems** – RedVector.com, Inc., 2005
- **Interior Codes 5: Fire Resistant Materials** – RedVector.com, Inc., 2005

- **Boilers an Operators Workshop** – National Technology Transfer, Inc. 2004
- **Private Investigator Continuing Education PRVT 0223 03** – McNeese State University, 2004
- **ASME B31.8 Gas Transmission & Distribution Piping Systems** – ASME, 2003
- **Lighting 101** – Vaisala, Inc. 2003
- **Ethics for Engineers and Land Surveyors** – Steensland Center for Professional Development, 2003
- **Building and Regulatory Code Liability Issues for Engineers and Land Surveyors** – Steensland Center for Professional Development, 2003
- **Private Investigation Rules, Regulations, Reciprocity, Law Enforcement Relations, Domestic Investigations, Ethics, Business Practices, Forensic Financial Fraud, Consensual Monitoring and Federal Privacy Issues** – LSBPIE, 2002
- **Investigation of Vehicle Fires** – Lee S. Cole & Associates, Inc., 2001
- **The Role and Responsibility of and Engineering Expert** – ASME, 2000
- **Review Course for the Professional Mechanical Engineering Examination** – Engineering Education Associates, 2000
- **Daubert Challenge** – State Farm Insurance Companies, 2000
- **Fire and Arson Investigation** – GAB Robins North America, 1999
- **Investigation of Electrical Appliance Related Fires** – IAAI, 1999
- **Expert Testimony (The Daubert Challenge)** – IAAI, 1999
- **Level I Alarm Technician Course** – National Training School, 1998
- **22nd Annual Fire and Arson School** – Mississippi Fire Investigators Association, 1997
- **22nd Basic Private Investigators Course** – LSU, 1997
- **12th, 13th, 14th, 15th, 16th, 17th, and 18th Annual Fire and Arson Investigation Schools** – IAAI Florida Chapter, 1990, 1991, 1992, 1993, 1994, 1995 and 1996
- **Fire Protection and Hydraulics** – ASME/ASHRAE, ASPE, 1996
- **Low Impact Training Seminar and Crash Testing School**, 1996
- **Property Damage Seminar** – State Farm SIU, 1996
- **Insurance Fraud** – State Farm SIU, 1996
- **Fire Protection and Hydraulics** – ASME/ASHRAE/ASPE/FES, 1995
- **Successful Development and Prosecution of an “Aged” Commercial Arson Case** – FACAP, 1995
- **Automobile Theft and US Customs** – State Farm SIU, 1995

- **Training in Fire Investigation Techniques** – Florida Chapter IAAI, 1995
- **How to Investigate Fires Safely: A Basic Origin and Cause Including Fire Scene Hazards** – Florida Chapter IAAI, 1995
- **Principles and Practice of Mechanical Engineering** – Miami Section ASME, 1995
- **Building Codes and Marine Fires** – Florida Chapter IAAI, 1994
- **Fire and Arson Investigation Photography** – Polaroid School of Law Enforcement Imaging, 1994
- **Manufactured Housing Fire O & C Investigation and Juvenile Fire Setters** – Florida Chapter IAAI, 1994
- **Instructed in Vehicle Fire Origin and Cause Investigation** – Florida Chapter IAAI, 1993
- **Automatic Fire Sprinklers and Basic Origin & Cause** – Florida Chapter IAAI, 1993
- **Arson Investigation in a Civil Disturbance** – FACAP and Florida Chapter IAAI, 1993
- **Soda Acid Bombs, Electrical Fires and Pyrophoric Carbonization, and Arson Prosecution** – FACAP, 1993
- **Recognizing Arson** – Florida Chapter IAAI, 1993
- **Fundamentals of Fire and Explosion Hazards Evaluation** – American Institute of Chemical Engineers, 1993
- **11th, 12th, 13th and 17th Annual Seminars** – FACAP, 1987, 1988, 1989, and 1993
- **Instruction in Fire Origin and Cause** – Florida Chapter IAAI, 1992
- **Fire Scene Photography and Sketching** – Florida Chapter IAAI, 1992
- **Building Safety** – Georgia Institute of Technology, 1992
- **Preparing and Delivering Courtroom Testimony** – FACAP and Florida Chapter IAAI, 1991
- **Managing Multiple Priorities** – Dun and Bradstreet Business Education Services, 1991
- **Fire, Explosion, and Arson Investigation** – NAFI and The University of Southern Mississippi, 1988 and 1990
- **The 1990 National Electrical Code** – University of Toledo, 1989
- **Slips, Trips and Falls, Stress and Safety Skills** – Tampa Area Safety Council, 1989
- **Product Safety and Liability Prevention: The Role of Engineering Expert Witness** – University of Wisconsin, College of Engineering, 1988
- **Fire and Extended Coverage II Training Seminar** – Factory Mutual Engineering, 1987
- **Fire and Extended Coverage I Training Seminar** – Factory Mutual Engineering, 1986

Professional Affiliations/Honors

American Society of Mechanical Engineers (ASME)

- Member since 1989

International Association of Arson Investigators (IAAI)

- Certified Fire Investigator, IAAI, #09-056, 1996
- Member since 1990

National Association of Fire Investigators (NAFI)

- Certified Fire and Explosion Investigator, NAFI, #3185-0263I, 1990
- Certified Fire Investigator Instructor, NAFI, #3185-0263I, 1990
- Certified Vehicle Fire Investigator, NAFI, #3185-0263V, 2007
- Member since 1990

National Fire Protection Association (NFPA)

- Member since 1999

National Board on Fire Service Professional Qualifications (NBFSPQ)

- Certified Fire Investigator, NBFSPQ, #380021, 1991

Society of Fire Protection Engineers (SFPE)

- Member since 2015

Project Experience

Fire & Explosion Origin and Cause

- Conducted fire and explosion origin and cause analysis involving residential, commercial, and industrial properties.
- Analyzed fires and explosions associated with mechanical systems, electrical components, fuel-fired equipment, appliances, HVAC systems, and industrial processes.

Forensic Failure Analysis

- Performed forensic failure analyses of mechanical systems and components alleged to have caused or contributed to fires, explosions, or loss events.
- Evaluated design, manufacturing, installation, maintenance, and operational factors related to mechanical failures and equipment.

Automotive & Vehicle Investigations and Analysis

- Conducted automotive and vehicle fire analyses involving passenger, commercial and specialty vehicles, including farming, forestry, mining, crane and other heavy equipment.
- Conducted analyses of engine compartments, fuel systems, hydraulic systems, electrical systems, and exhaust components.

Marine & Vessel Investigations and Analysis

- Conducted marine and vessel fire analyses, including evaluation of onboard mechanical, electrical, fuel, control, ventilation, propulsion, and extinguishing systems.
- Fire and explosion analyses involving recreational and commercial vessels, offshore oil and gas facilities.

Petro-Chemical Investigations and Analysis

- Conducted fire and explosion analysis involving equipment and vessels associated with upstream, midstream and downstream operations.
- Evaluated personal injury incidents associated with upstream, midstream and downstream operations.

Litigation & Consulting Support

- Provided expert analysis, technical reporting, and consulting services in support of civil and criminal litigation.
- Delivered deposition and trial testimony on behalf of both plaintiff and defense parties.
- Assisted insurance carriers, adjusting firms, law firms, private companies, public agencies, and private individuals.

Publications

“The Implications of Post-Fire Physical Features of Cylindrical 18650 Lithium-Ion Battery Cells.”, Nagourney, T., Jordan, J., Marsh, L., **Scardino, D.**, May, B., Fire Technology. January 20, 2021.

<https://doi.org/10.1007/s10694-020-01077-8>

“Emergency Structural Engineering Support of a Fire Origin and Cause Analysis.”, Turner, D., **Scardino, D.**, Published in the proceedings of and presented at ASCE Forensic Engineering 8th Congress, Austin, TX., November 29 – December 2, 2018.

Presentations

- "Evaluating Appliance Fires from an Investigator's Perspective", LA Chapter IAAI, 2012
- "Accident Analysis in the Oil Field", NDDLA, 2012
- "Addressing Circumstantial Evidence of Product Defect in a Fire Case", DRI, 2011
- "Fire Scene Sketching", Engineering Systems, Inc., 2010
- "Report Writing", Engineering Systems, Inc., 2010
- "Fire Origin and Cause Analysis and the Belated Notification Case", NGCLA 2007
- "Fire Investigation for Adjusters", Claims Adjustment Specialist, 2002
- "Daubert Challenged", FL Chapter IAAI, 2000
- "Advanced Fire Origin and Cause Investigation Techniques for Adjusters", State Farm Insurance Company, 1999
- "Recreational Vessel Fire Investigations", GAB Robbins North America, 1999
- "Automobile Fire Investigation", Louisiana Chapter IASIU, 1998
- "Low Velocity Vehicular Impact Analysis", Mississippi Claims Association, 1998
- "Fire and Water Loss Subrogation", Allstate Insurance Company, 1996
- "Dryer Fires", Fort Lauderdale Claims Association, 1996
- "Manufactured Housing Fire Origin and Cause Investigation", Chapter IAAI SW Regional, 1995
- "Information and Document Management Concerns Between Insurers and Public Agencies During Investigation, Prosecution and Litigation"
- "Structure, Automobile and Vessel Fire Investigation"