



PERRY A. HOPKINS, P.E., CFEI
SENIOR MANAGING CONSULTANT

Director, Electrical

pahopkins@engsys.com

Mr. Hopkins is an electrical engineer with experience in electrical and electronic systems design and analysis, electrical accident reconstruction, and electrical equipment failure analysis. He has conducted complex, multidisciplinary failure investigations pertaining to industrial and consumer products, medical devices, and utility distribution equipment. He has provided testimony in matters pending before both state and federal courts.

Mr. Hopkins has been involved in the investigation of electrical accidents, fires, and explosions for over 19 years. In addition, he has over 10 years of experience in compliance testing for national and international products. This includes standard testing for industrial products, medical devices, information technology equipment, HVAC equipment, and motor operated appliances. His experience includes design consulting, laboratory and field testing.

Areas of Specialization

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

Education

B.S., Electrical Engineering, Concentration in Power Systems, Clemson University, 1993

Licensed Professional Engineer

State of Alabama..... License No. 25592
State of Georgia..... License No. 24548

Other Licenses & Registrations

National Council of Examiners for Engineering and Surveying (NCEES) Record
National Association of Fire Investigators (NAFI), Certified Fire and Explosion Investigator (CFEI)

Professional Affiliations/Honors

Institute of Electrical and Electronic Engineers
National Fire Protection Association
International Association of Arson Investigators
Georgia Fire Investigators Association, President – 2016-2017, 2nd Vice President – 2016-2017
Metro Fire Investigators Association, President – 2006, Vice President – 2005



Positions Held

Engineering Systems Inc., Norcross, Georgia

Senior Managing Consultant, January 2022 – present
Director, Electrical, January 2021 – present
Senior Consultant, June 2017 – December 2021

Hopkins Forensics Group, LLC

Forensic Electrical Engineer, October 2014 – May 2017

Forensic & Scientific Testing, Inc.

Forensic Electrical Engineer, April 2006 – October 2014

Unified Investigations & Sciences, Inc.

Electrical Engineer, January 2003 – April 2006

Conklin Corporation

Senior Compliance Engineer, February 2001 – January 2003

Intertek Testing Services

Engineering Team Leader, December 1998 – February 2001
Project Engineer, May 1994 – December 1998

Duke Power Company

Cooperative Education Program, 1991 – 1993

Continuing Education

American Solar Energy Society, NABCEP Course: Energy Storage Intensive, Boulder, CO, August 2023, 2 Hours

American Solar Energy Society, NABCEP Course: PV & the NEC, Boulder, CO, August 2023, 4 Hours

NCEES Electrical & Computer Exam Development Workshop for Professional Engineering (PE) Examination, Greenville, SC, June 2023, 14 hours

Southeastern Annual Training Seminar, Georgia Fire Investigator's Association, Savannah, Georgia, July 2022, 28 Hours

Southeastern Annual Training Seminar, Georgia Fire Investigator's Association, Savannah, Georgia, July 2021, 28 Hours

National Association of Fire Investigators, 2020 Fire Investigation Training Program, Pittsburgh, Pennsylvania, March 2020, 30 Hours



NCEES Electrical & Computer Exam Development Workshop for Professional Engineering (PE) Examination, Clemson, SC, May 2019, 14 hours

NCEES Electrical & Computer Exam Development Workshop for Professional Engineering (PE) Examination, Clemson, SC, November 2018, 14 hours

NCEES Electrical & Computer Exam Development Workshop for Professional Engineering (PE) Examination, Clemson, SC, May 2017, 14 hours

68th IAAI International Training Conference, International Association of Arson Investigators, Las Vegas, NV, April 10-16, 2017, 28 hours

Southeastern Annual Training Seminar, Georgia Fire Investigator's Association, Savannah, Georgia, July 2016, 28 Hours

NCEES Electrical & Computer Exam Development Workshop for Professional Engineering (PE) Examination, Clemson, SC, June 2016, 14 hours

67th IAAI International Training Conference, International Association of Arson Investigators, Orlando, FL, April 25-28, 2016, 12 Hours

Ethics and the Fire Investigator, International Association of Arson Investigators, CFITrainer.Net, February 11, 2016, 3 Hours

Southeastern Annual Training Seminar, Georgia Fire Investigator's Association, Savannah, Georgia, July 2015, 28 Hours

NFPA 1033 and Your Career, International Association of Arson Investigators, CFITrainer.Net, July 25, 2015, 2 Hours

NCEES Electrical & Computer Exam Development Workshop for Professional Engineering (PE) Examination, Clemson, SC, May 2015, 14 Hours

Southeastern Annual Training Seminar, Georgia Fire Investigator's Association, St. Simons Island, Georgia, August 2014, 24 Hours

17th Annual Fire Investigative Approaches, NC/SC IAAI, Myrtle Beach, SC, October 2013, 36 Hours

Southeastern Annual Training Seminar, Georgia Fire Investigator's Association, St. Simons Island, Georgia, August 2013, 24 Hours

Southeastern Arson Seminar, Savannah, Georgia, August 2010, 24 Hours

Southeastern Arson Seminar, Savannah, Georgia, August 2009, 24 Hours

Southeastern Arson Seminar, Savannah, Georgia, August 2008, 28 Hours

International Association of Arson Investigators, Investigations of Electrical & Appliance

Related Fires, Davenport, Iowa, March 2008, 24 Hours, Tested

Southeastern Arson Seminar, Savannah, Georgia, August 2007, 28 Hours

Southeastern Arson Seminar, Savannah, Georgia, August, 2006, 28 Hours, Tested

Southeastern Arson Seminar, Savannah, Georgia, August, 2005, 28 Hours, Tested

Georgia Fire Investigator's Association, Fire Investigation Training Seminar, Macon, Georgia, March, 2005, 20 Hours, Tested

On-line study course Ethical Consideration for Expert Testimony, Center for Collaboration & Education in Design, February 2005, 4 Hours, Tested

Southeastern Arson Seminar, Savannah, Georgia, August, 2004, 23 Hours, Tested

Georgia Fire Investigator's Association, Fire Investigation Training Seminar, Dalton, Georgia, March, 2004, 19 Hours, Tested

Southern Loss Association, Ethics Training and Mock Trial, Atlanta, Georgia, August, 2003, 8 Hours

Unified Investigations & Sciences, Inc., Investigations for Insurance Professionals, Columbus, Ohio, April 2003, 40 Hours

Fire Findings, Investigation of Gas and Electric Appliance Fires, St Joseph, Michigan, May 2003, 16 Hours – Tested

VAISALA Inc., Lightning 101 Seminar, Atlanta, Georgia, May 2003, 2 hours

Intertek Testing Services, Network Equipment Building System (NEBS) Training to Standards GR-1089/GR-63, Boxborough, Massachusetts, April 2001, 16 Hours

Intertek Testing Services, Basic Product Safety Evaluation, Dallas, Texas, March 1999, 40 Hours

Intertek Testing Services, Advanced Product Safety Evaluation, Boxborough, Massachusetts, June 2000, 40 Hours

Publications & Presentations

Product & Liability Resource Bureau, PLRB: Solar Panel Losses: Not a Matter of If, But When, November 16/17, 2023, 2 Hours

GFIA Spring Conference: "Solar Panel Investigations & Safety" March 13, 2023, 4 hours

GFIA Spring Conference: "Lightning Strikes; Meteorology, Science, Investigation and damaging Effects" March 16, 2022, 3 hours

NRTLs in the Forensic World, ESi Electrical Practice Group, Charlotte, NC, 1 Hour technical presentation on April 3, 2019



Electrical Fire Causations and Analyses, Liberty Mutual In-house Investigations Unit, Allentown, PA, 4 Hour presentation on October 18, 2018

Product Liability – Investigations, Analyses, Tools and Case Study, CPCU Society – Dallas Chapter, Dallas, TX, 1 Hour presentation on August 28, 2018

Arc Mapping Tools and Techniques, Northeast Chapter of the Georgia Fire Investigators Association, Hall County, GA, 2 Hour presentation on November 15, 2016

Electric Heating Appliances, GFIA Spring Seminar, McDonough, GA 8 Hour presentation on March 23, 2016

Electrical Aspects of Fire Investigations, Tennessee IAAI Annual Seminar, Pigeon Forge, TN, 4 Hour presentation on August 6, 2015

Thermal Devices and Thermal Cut-outs, GFIA Spring Seminar, McDonough, GA, 4 Hour presentation on March 27, 2014

The Electrical Aspect of Fire Investigations, Southwest Chapter of the Georgia Fire Investigators Association, Albany, GA, 4 Hour presentation on December 4, 2013

Basic Electrical Investigations, Georgia Fire Investigator Association and the Columbus

Department of Fire/EMS Investigations Division, Columbus, GA, 2 Hour presentation on December 15, 2011

Investigation of Fire Involving Hybrid and Electric Vehicles, South Carolina International Association of Arson Investigators Quarterly Training Session, Lexington, SC, 6 Hour presentation on August 30, 2011

Look, Listen and Learn, Tips in Performing an Efficient Investigation from the Aspect of an Electrical Engineer, GFIA Spring Seminar, 2 Hour presentation on March 22, 2006

Electric Circuit Breakers, Metro Fire Investigators Association, 1 Hour presentation on March 15, 2006

Lightning and Losses, Tri-State Fire & Fraud Investigators Association, 1 Hour presentation on December 6, 2005

Lightning and Losses, Metro Fire Investigators Association, 1 Hour presentation on October 19, 2005

Lightning and Losses, Middle Georgia Claims Association, 1 Hour presentation on April 22, 2004

Product Safety: What makes a product safe? Southern Loss Association, 1 Hour presentation on September 11, 2003

Product Safety: What makes a product safe? Metro Fire Investigators Association, 1 Hour presentation on July 16, 2003



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January 2024

UL 63 Motor Operated Appliances Training - Intertek Testing Services located in Taipei, Taiwan, 24 hours of training presented the week of November 13, 2000.