

CURRICULUM VITAE

DONALD J. PERKINS

IAAI-CFI®

Mr. Perkins' background consists of education/technical training and over 60-years of combined experience as a full paid Public Suppression Firefighter, Fire Prevention Officer, Fire Investigator, Captain, and President Emeritus / Fire Investigator for Fire Cause Analysis. He began his work as a full paid firefighter in 1965 and worked in a major municipal fire department for 28 years and retired in 1994 at the rank of Captain. As a Fire Suppression Captain, Mr. Perkins worked on shift for over seventeen years. He was assigned to both Engine and Truck Companies at Battalion Headquarters in one of the busiest fire stations in San Jose, California. He was Incident Commander on numerous fires over the course of his career. Mr. Perkins also held the position of Fire Investigator (2 years) and Arson Unit Supervisor / Investigator for 4 years. During this time frame he conducted or supervised over 3,000 fire investigations. Mr. Perkins was also assigned to the San Jose Fire Prevention Bureau for over four years working in code enforcement, plan checking, and fire protection systems inspections. Mr. Perkins met the standards and successfully passed his tests to be qualified as a NFPA Certified Fire Protection Specialist.

Prior to his retirement from the fire service in 1994, Mr. Perkins founded the firm "Fire Cause Analysis" in 1980. In addition to conducting his own investigations, he presently provides an oversight role to a team of highly qualified fire investigators. As a Private Fire Investigator, Mr. Perkins has conducted or supervised over 4,000 fire investigations and has over 45-years of specific experience and continuing education in fire/arson investigations involving commercial and residential property, vehicle and marine vessels. Mr. Perkins has provided expert witness testimony in both State and Federal Courts on Arson, Fraud, Civil litigation with Depositions and Trials on over 100 cases.

Mr. Perkins is a certified Level I & II Fire Investigator through the California State Fire Marshal's Office. He is also a Pro-Board Certified Fire Investigator (CFI) by the International Association of Arson Investigators (IAAI) and has met the required IAAI continuing education re-certification requirement since the CFI Certification program began in 1992. In July 2005 he met the certification standards established for a Type 3 Wildland Fire Investigator developed by the National Wildland Coordinating Group. He has been a licensed Private Investigator in California since 1980. He has a "Lifetime Teaching Credential" in the State of California and is current with his teaching certification for the basic and advanced curriculum in Fire/Arson Investigation series, as directed by the California State Fire Marshal's Office and the California Fire Service Training and Education System. Mr. Perkins has taught students enrolled in the Fire Science Program at local colleges as well as law enforcement personnel at the Criminal Justice Training Center in San Jose, California.

Mr. Perkins has been a guest speaker and lecturer for the International Association of Arson Investigators, the California Association of Arson Investigators, and the International Association of Marine Investigators. Mr. Perkins was a member on the IAAI Certified Fire Investigators (CFI) Committee for three-years and chaired the "IAAI Testing Committee" which writes the national certification test (CFI) for fire investigators. Mr. Perkins is a co-author on the IAAI Development Committee for the NFPA

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document *User's Manual for NFPA 921*. Mr. Perkins was a project team member and contributed to the document *Performance of California Homes and Buildings in Urban Wildland Interface*, a grant provided to Fire Cause Analysis by the California State Fire Marshal's office. Mr. Perkins is a contributing author for the California Education Bar and is the co-author on "Chapter 12 – Origin & Cause of Fire," in the 2008-2012 editions of *Scientific Evidence in California Criminal Cases*, a two-volume document for the benefit of practicing lawyers.

Professional Experience

- **President Emeritus**, Fire Cause Analysis, Berkeley, California 1980 – Present
 - In partnership with President Dennis Field CFI, Chief Operations Officer – Ulises Castellon CPCU, Managing Engineer John White PE, CFI & Fire Protection Engineer, Geoff Hazard CFI, and Andy Berasley, CFEI, CFVI.
 - Mr. Perkins is an IAAI – Pro-Board CFI, Forensic Specialties Accreditation Board CFI, (Certified Fire Investigator) and with an oversight responsibility to twenty-five, highly qualified fire investigators with FCA. He works with law firms, and the insurance industry, providing additional services in all fire related disciplines including Computer Modeling, Fire Testing, Fire Safety Consulting, Mechanical & Electrical Engineering and Forensic Studies.
- **Captain**, San Jose Fire Department, San Jose, California 1980 – 1994
Retired February 4, 1994
- **Arson Unit Supervisor**, San Jose Fire Department, San Jose, California 1984 – 1988
 - Managed a staff of five fire investigators. Conducted and supervised over 3,000 investigations. Testified as an expert witness in Municipal and Superior Courts in both Criminal and Civil Cases.
- **Firefighter, Driver – Engineer, Fire Prevention Officer, Fire Investigator**, San Jose Fire Department, San Jose, California 1978 – 1980
- **Firefighter – Suppression**, Campbell Fire Department, Campbell, California 1965 – 1967

Marine/Vessel Fire Experience

- **Marine Casualty Investigator**, United States Coast Guard *Reserve*, 11th Coast Guard District, MSO – Marine Safety Office, San Francisco – Investigations Unit 1980 – 1990
 - USCG Reserve – Marine Casualty Investigator – Assigned to MSO San Francisco – Coast Guard Investigations at Coast Guard Island, Alameda, CA. – Conducted numerous investigations in the maritime field with responsibilities including the investigations in grounding, collisions, sinking of vessels, and vessel fires.
 - He is a member of the International Association of Marine Investigators (IAMI), and Affiliate Member of SAMS (Society of Accredited Marine Surveyors). Mr. Perkins is also a certified NAUI Scuba Diver and a

qualified Navy diver, which has been useful in conducting investigations and photographing underwater.

- Authority on all navigable waterways on the West Coast – Assigned / Conducted numerous marine casualties (groundings, drownings, collisions, and fire investigations of various vessels. Major Fire Investigations included the explosion and fatality aboard the USMV Hess, the “Honda-Bluehawk” fire loss, and directly involved on the Marine Board investigating the fire and explosion aboard the tanker “Puerto Rican.”

- **TM2SS – Torpedomen 2nd Class, Qualified Submariner on Nuclear and Conventional Submarines, United States Navy** 1961 – 1964
 - Served on USS Patrick Henry SSBN 599 (submarine, ballistic-nuclear) and USS Tigrone SS419 – WWII fleet submarine – Missile Launch Technician and Torpedomen. Developed an understanding of ships, and working knowledge of propulsion systems, and equipment used.

Major Vessel Investigations

Investigation of the “Puerto Rican”, a tanker which caught fire off the San Francisco coast and sank. The vessel’s bow, and a tank were towed into San Francisco Bay for examination. Mr. Perkins was assigned to the Marine Board of Inquiry for the loss and provided information as to possible causes as well as research on the vessel. The research was conducted by diving down to the remains of the vessel, collecting evidence and photographing damage from underwater.

The “Honda Blue Hawk” was carrying hundreds of new 1986 Honda’s, when it caught fire off the coast of California. After its extinguishment, it was towed into San Francisco bay where Mr. Perkins examined the vessel and participated in the investigation for the Coast Guard. Since the fire occurred in International waters and the ship was registered in Japan, no formal report was provided.

An explosion and fire on the USS Hess, located at the AAA Naval Shipyard in San Francisco, resulted in a fatality. Mr. Perkins was involved directly with the investigation to determine origin and cause of the explosion.

In 2012, Mr. Perkins conducted the investigation of an explosion and fire on the M/V Jupiter, a large container vessel, with a fire and explosion in the engine room, with injuries at sea. The vessel was examined for origin and cause of the incident with a successful conclusion in the port of Mazatlán, Mexico.

Mr. Perkins has provided expert witness information for the federal government and the US Attorney General’s office in San Diego on a suspected fire and sinking of a vessel suspected of carrying narcotics.

As a private investigator with Fire Cause Analysis, Mr. Perkins has investigated dozens of fires of all types of vessels, including large sailboats, yachts, pleasure craft, fishing vessels and commercial vessels,

including the “Argo Commodore” from the San Francisco “Red & White” fleet, the 208’ – M/V – “Alaska Spirit” – large commercial fish processing vessel out of Seward, Alaska, the Motor Yacht “Mi Baur” 92’ Hatteras-La Paz Mexico, the 102’–steel hull – motor yacht “Polar Bear” in San Pedro, California, the Motor Tug “Chief”- San Diego, and the “Tahoe Queen” paddle wheeler in Lake Tahoe. Mr. Perkins has investigated and provided expert witness testimony in numerous fires located in Marina’s including fires in: Monterey, San Diego, Los Angeles, Washington State, Lake Meade, NV

Major Fire Investigation Experience

Mr. Perkins has investigated numerous large loss fires and explosions in a variety of commercial and industrial buildings. The following list provides a sample of the variety of fire investigations he has personally been involved in:

- Compressed Natural Gas Fire – Trillium CNG, Woodland, CA
- Shelby Terminal / NuStar Energy Fire – Tank Farm, Crockett, CA
- Aqua Metals Fire, Industrial – McCarran, NV
- Christian Brothers Winery Fire / Explosion, Parlier, CA
- MBA Polymers – Industrial – Dust explosion – Richmond, CA
- Andros Fire – Manufacturing – Berkeley, CA
- Interstate Bank Building – Hi-Rise – Commercial Office – Honolulu, Hawaii
- Liz Claiborne Factory – Garment Manufacturing – Colombo, Sri Lanka
- Subaru Observatory – Keck II Observatory – Mauna Kai – Hilo, Hawaii
- North Star – Ski Resort – Restaurant -Truckee, CA
- Kirkwood Ski Resort – Power plant – Kirkwood, CA
- Homewood Ski Resort – Lodge Fire – Homewood, CA
- Crescent City Pier – Pier Fire – Crescent City, CA
- Santa Barbara Pier – Pier Fire – Santa Barbara, CA
- Moro Bay Pier – Pier Fire – Moro Bay, CA
- San Francisco Pier – Pier Fire, San Francisco, CA
- Los Angeles Pier – 800’ Pier fire and Warehouse, Los Angeles
- Gold Strike Casino – Hotel & Casino – Boulder City, Nevada
- El Dorado Hotel and Casino – Reno, Nevada
- KFX – Industrial Coal Processing Facility – Gillett, Wyoming
- NUMI Motors – Tank Farm – Fremont, CA
- San Francisco Opera House – Opera House – San Francisco, CA
- 1330 Broadway – Hotel – Oakland, CA
- Yaser Store Fire – Retail -Sunnyside, WA
- M/V Alaska Spirit–280’ Fishing Vessel – Seward, Alaska
- M/V Blue Hawk – Vehicle Transport ship, San Francisco, CA
- M/V Puerto Rican – explosion/fire on Tanker – San Francisco, CA
- M/V Jupiter – explosion / fire on Container Vessel – Mazatlán, Mexico
- USS Hess – explosion – AAA Shipyard, San Francisco, CA
- MI Baur’ – 92’ motor yacht – La Paz, Mexico
- Polar Bear – 105’ motor yacht – San Pedro, CA

- Motor Tug – King – San Diego, CA
- Tahoe Queen – Touring paddle wheeler – Lake Tahoe, NV
- Las Vegas Marina – Lake Meade, NV
- Rocky Mountain Gold Mine Fire, Elko, NV
- Fregosi Paint – Industrial – San Francisco, CA
- Rough & Ready – Wildland – Rough & Ready, CA
- Poe Fire – Wildland – Butte County, CA
- Galvin Fire – Wildland – Fallbrook, CA
- 49er Fire – Wildland – Auburn, CA
- Caughlin Fire – Wildland – Reno, NV
- Washoe Fire – Wildland – Reno, NV
- Hawaii Electric – Wildland – Lahani, HI
- Arakaki Mechanical – Keck II Observatory – Mona Kai, HI
- Coast Sausage Fire – Industrial – Arson – Oakland, CA
- Tran Market Fire – Retail Strip Mall – Arson – Stockton, CA
- Mountain Cold Storage – Refrigeration cold storage – Washington
- Kamp’s Propane – Propane Incident – Lodi, CA
- University of Nevada – Natural gas explosion – Reno
- University of California – Student Housing – Fatal – Davis, CA
- University of California – Explosion / Fire, Irvine, CA
- University of California – Fire, Santa Cruz, CA
- University of Honolulu – Fire – Honolulu, HI
- Placer County Water Treatment Facility – Newcastle CA
- Hampton Hotel / Cannery Fire – San Francisco, CA
- Orthodox Church – Church – Los Altos, CA
- Friar Tucks – Restaurant – Commercial – Nevada City, CA
- Union Pacific Railroad – Rail Car – Wyoming
- Amtrak – Dining car – Washington, DC
- Amtrak – Rail car – New Orleans, LA
- Amtrak – Dorm Car – Chicago, Ill
- Amtrak – Coach / Collision & Fire – Fallon, NV
- Amtrak – Locomotive Fire – Chicago, IL
- Santana Row – Retail / Dwelling – San Jose, CA
- Forsgren Shopping Center – American Samoa
- Redwood Valley Business Park – Industrial – Redwood Valley, CA
- Sears – Department Store – Mexico City, Mexico
- Blyth Inc. – Manufacturing – Monterey, Mexico
- 9ines – 9-story high rise – Omaha, Nebraska
- Makiki St. Condo’s – 11- story high rise – Honolulu, HI
- Wines Central – Warehouse – Vallejo, CA
- Twin Cities Food, Stanwood – WA
- Christian Brothers Winery / storage facility – Visalia, CA

- Oakstone Winery Fire – Fair Play, CA
- Helwig Winery Fire – Plymouth, CA
- Prometheus Real Estate – 4-story condo –total loss – Santa Clara, CA
- Universal Studio Fire – Los Angeles, CA
- North Star Foods – Food processing plant – St. Charles, MN
- Saucto Land Company – Total Commercial Building loss – One City Block, Monterey, CA
- Galleria Fire – Shopping Center – Roseville, CA
- Natural Gas Explosion and Fire – San Bruno, CA “Promise Keepers” Business Building Fire, Denver, CO Co-Generation Plant Fire – Milpitas, CA
- “Tuesday Morning” Commercial Fire – Citrus Heights, CA
- “Ross” home goods – Roseville, CA
- Baja Wood – Manufacturing Plant Fire -Playas de Rosario, Baja, Mexico
- National Cement Company – Fire – Kern County, CA
- Phillips Farm – Packing Warehouse / cold storage – Visalia, CA
- Turtle Bay Resort – Golf Kart Maintenance facility – Oahu, Hawaii

Education

- **Associate of Arts – Business Management** 1975
West Valley College, Saratoga, CA
- **Associate of Arts – Fire Science** 1972
San Jose City College, San Jose, CA
- **8-week Fire Academy** 1967
City of San Jose Fire Department, San Jose, CA

Professional Associations

- International Association of Arson Investigators (IAAI) – 1978 to Present
- California Conference of Arson Investigators – 1978 to Present
- International Association of Marine Investigators (IAMI) – 2007 to Present
- Society of Accredited Marine Surveyors (SAMS) – Affiliate Membership – 2018 to Present
- Central Coast Claims Association – Past President – Member
- National Fire Protection Association – 1978 to 2020
- California Association of Licensed Investigators (CALI) – 1980 to 2010
- National Association of Fire Investigators – Certified CFI – Past Member
- IAAI – CFI Certification Committee Chairmen – Past Member
- California Conference of Arson Investigators – Past Training Committee Member
- Santa Clara County Arson Task Force – Past President and Training Officer
- California Arson Prevention Committee – Past Chairman
- San Mateo County Arson Task Force – Past Associate Member
- Society of Fire Protection Engineers – Past Associate Member
- International Association of Firefighters – Past Member

- Fire Marshals Association of North America -Past Member
- Northern California Fraud Investigators Association – Past Member

Publications

- Co-Author, “User’s Manual for NFPA 921” – *Guide for Fire and Explosion Investigations 2003*
 - IAAI Development Committee – Published by National Fire Protection Association
- Co-Author, “Chapter 12, Origin & Cause of Fire” – *Scientific Evidence in California Criminal Cases* – 2008-2010 Editions
 - A two-volume document for the benefit of practicing lawyers produced by the California Education Bar.
- Co-Author – *California State Fire Marshal’s Grant*
 - Contributing Author – “Performance of California Homes and Buildings in Urban Wildland Interface”

Instructor Experience

- **Fire Science Instructor**, California State Fire Marshal’s Office, Sacramento, California 2018 – 2025
 - Taught Fire/Arson Investigation series – 1A/1B/1C to students enrolled through the California State Fire Marshal's Office. CSFT certified from January 1st., 2025 to teach the 2022 1A/1B/1C Fire Investigation series curriculum.
- **Fire Science Instructor**, California State Fire Training & Rescue Authority, Sacramento, California 2019 – 2022
 - Taught basic and advanced Fire/Arson Investigation Curriculum Courses – 1A/1B/1C – as directed through the California State Fire Marshal’s Office. Each class is 40-hours of instruction. 2018 through 2024 – 24 forty-hour classes completed.
- **Fire Science Instructor**, American River College, Sacramento, California 1990 – 1997
 - Taught basic and advanced Fire/Arson Investigation Courses to students enrolled in the Fire Science Program. Instruction in Fire Investigation established by the California State Fire Marshal's Office.
- **Law Enforcement Training Center Instructor**, Evergreen Community College, San Jose, California 1990 – 1997
 - Taught "Evidence Collection in Arson Investigations" class to Police Officers throughout the State of California.
- **Instructor for MCLE credits on the “Dynamics of Fire Investigation”**, Certified by the California Bar Association for Continued Education 1996
- **Fire Science Instructor**, Mission College, Santa Clara, California 1986 – 1994
 - Taught basic and advanced Fire/Arson Investigation Courses to students enrolled in the Fire Science Program. Instruction in Fire Investigation established by the State Fire Marshal's Office.

Speaker Experience

- **Guest Lecturer**, California Conference of Arson Investigators Roundtable – Sacramento Region, Sacramento, CA 1998, 2010, 2015, 2017, 2018, 2024
- **Guest Speaker** – “**Fire Investigations in Marine Vessels**”, International Association of Marine Investigators, Western States Regional Training Seminar, Port Orchard, WA 2018
- **Guest Speaker** – “**Fire Investigations in Marine Vessels**”, California Conference of Arson Investigators, Newport Beach, CA Roundtable 2018
- **Guest Speaker** – “**Navigating Troubled Water Vessel Fire Investigations**”, Society of Marine Surveyors Claims Association, Oakland, CA 2018
- **Guest Speaker** – “**Navigating Troubled Water Vessel Fire Investigations**”, Puget Sound Marine Claims Association, Seattle, WA 2018
- **Guest Speaker** – **8-hours** – “**Vehicle Fire Investigations**” & **Live Burn**, WSATI – Western States Auto Theft Investigators, Las Vegas, NV 2018
- **Guest Speaker** – “**Burn to Learn and DNA of Fire Investigations**” **Live Burn & 3-hour Lecture Presentation**, Claims Conference of Northern California, San Diego, CA 2017
- **Guest Speaker** – “**DNA of Fire Investigations**”, Mid-Valley Claims Adjusters Association, Stockton, CA 2017
- **Guest Speaker** – “**DNA of Fire Investigations**”, CPCU Adjusters Association, San Diego, CA 2017
- **Guest Lecturer**, California Conference of Arson Investigators, San Luis Obispo, California 2012
- **Guest Speaker** – **4-hours** – “**Fraud – Vehicle Fire Investigations**” & **Live Burn**, WSATI – Western States Auto Theft Investigators, Lake Tahoe, NV 2017
- **Guest Lecturer**, International Association of Arson Investigators (IAAI), Orlando, FL 2016
- **Guest Speaker** – “**DNA of Fire Investigations**”, National Association of Independent Insurance Adjusters, Coeur d’Alene, ID 2016
- **Guest Speaker**– **4-hours** – “**Fraud – Vehicle Fire Investigations**” & **Live Burn**, WSATI – Western States Auto Theft Investigators, Lake Tahoe, NV 2015
- **Guest Speaker** – **4-hours** – “**Fire Investigations in Marine Vessels**”, San Diego Insurance Adjusters Association, San Diego, CA 2015
- **Guest Speaker** – “**Shipboard Fires**”, International Association of Defense Counsel (IADC), Pebble Beach, Monterey, CA 2014
- **Guest Lecturer**, California Conference of Arson Investigators, San Luis Obispo, California 2013
- **Guest Speaker** – **8-hours** – “**Introduction to Fire Investigations in Marine Vessels**”, California Conference of Arson Investigators, Monterey, CA 2013
- **Guest Speaker** – **8 hours** – “**Introduction to Fire Investigations in Marine Vessels**” & **Live Burns**, International Association of Marine Investigators, Galveston, Texas 2010
- **Guest Lecturer**, International Association of Arson Investigators (IAAI), Olympia, Washington 2007
- **Guest Lecturer**, 34th Marine Investigators Conference West, International Association of Marine Surveyors Inc. 2002

- **Guest Lecturer**, 38th RIMS Annual Conference, San Diego, California 2000
- **Live Burn Facilitator**, California Conference of Arson Investigators, San Luis Obispo, California 2000
- **Guest Lecturer**, California Conference of Arson Investigators, San Luis Obispo, California 1997

Professional Development

[H = Hours]

- California Conference of Arson Investigators – Workshops, Roundtables 1979-2024
- International Association of Arson Investigators – Annual Seminars 36.00 H each 2024, 2019, 2014-2017, 2009-2010, 2002-2007, 1997-2000, 1995, 1993, 1991, 1987-1989, 2024
- IAAI – CFITrainer.Net Training Modules
 - Completed 59 Certified Fire Investigator Continuing Education Modules to date (12/2024)
- Dane County Arson Response Initiative (DACARI) Training Modules 2024
 - 3 Modules to date
- International Association of Marine Investigators (IAMI): Workshops and Publications 2022-2023, 2009
- Wildland Fire Litigation Conference: Monterey, CA 2015
- Wildland Fire Litigation Conference: Sacramento, CA 2012
- Fire and Materials Conference: Fire Investigations – San Francisco, CA 2011, 2002-2003
- Wildland Fire Litigation Conference: Reno, NV 2009
- Fire and Materials Conference: Fire Investigations – San Francisco, CA 2007
- NWCG – Wildland Fire Origin & Cause Determination – FI-210 2005
- Fire Dynamics / Live Burn Training Seminar: AZ – IAAI / ATF / NIST 2000
- Third International Conference on Fire Research and Engineering 1999
- California Fair Claims Settlement Practices Regulations 1999, 1997, 1995, 1993
- Electrical & Gas Appliance Fire Investigations: Seminar – Fire Findings 1997
- Introduction to Industrial and Commercial Fire Protection Engineering: UC Davis 1994
- Investigation of Large Loss Fires in Commercial & Industrial Buildings: IAAI 1994
- Electrical Fire Investigations in Residential Dwellings: Seminar 1994
- National Fire Academy: Courtroom Testimony Instructor School 1994
- National Fire Academy: Courtroom Testimony Facilitator 1994
- F.B.I. Academy: Police/Arson School – Quantico, VA 1986
- Alcohol, Tobacco & Firearms: Advanced Arson for Profit – Glenco, GA 1985
- Marine Casualty Investigations School: United States Coast Guard 1985
- San Jose Police Department: Crime Scene Investigator School 1984

- Electrical Fire Investigations: Seminar – San Francisco, CA 1982
- National Fire Academy: Fire/Arson Detection Instructor 1982
- Advanced Fire Investigation: Denver Fire Department 1981
- Fire Scene Photography: San Francisco, CA – Kodak 1980
- Hazardous Materials Familiarization Seminar 1980
- National Fire Academy: Fire/Arson Investigation School – Emmetsburg, Maryland 1979
- Arson/Bomb Scene Investigation: California State Fire Marshal's Office 1978
- California Fire Academy: Fire Investigation – 2A, 2B 1977
- California Fire Academy: Fire Investigations I, II, III 1976-1977
- California Fire Academy: Fire Instructor Certification – 1A, 1B 1976
- California Fire Academy: Incident Command Tactics – I, II, III 1976
- Certificate of Achievement in Firemanship: San Jose Fire Department 1971
- Explosive Ordnance Reconnaissance / Sabotage Device 1969

Forensic Testimony

Mr. Perkins has provided expert witness testimony in both State and Federal Courts on Arson, Fraud, and Civil litigation fire cases. His extensive experience includes testimony in over 100 depositions, and 30 trials. As a highly qualified fire investigator with over 60 years of combined experience in various roles within the fire service and private sector, Mr. Perkins has conducted or supervised more than 7,000 fire investigations throughout his career. His experience spans a wide range of fire-related disciplines, including origin and cause determination, fire behavior analysis, and forensic fire scene reconstruction. Mr. Perkins' testimony has been crucial in cases involving residential and commercial property fires, vehicle fires, marine vessel incidents, and wildland fires.

Mr. Perkins forensic testimony is backed by his continued and comprehensive education, training, and certifications, including his status as a Pro-Board- Certified Fire Investigator (CFI) by the International Association of Arson Investigators (IAAI) and his certification as a Level I & II Fire Investigator through the California State Fire Marshal's Office. His extensive knowledge of fire science, investigation techniques, and relevant codes and standards make him a valuable expert witness in complex fire related legal proceedings.