

David McVey | Chief Pilot of Drone Operations / Sr. Fire Investigator,
CFI, CFEI, CVFI, CMI

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Professional Summary:

Mr. McVey has 18 years of fire investigation experience conducting fire investigations for the fire service and private industry. He holds a Bachelor of Science in Fire and Safety Engineering Technology from the University of Cincinnati. He has attended various seminars and holds certifications in several fire investigation areas:

- Origin and Cause - structural
- Origin and Cause – vehicle
- Marine – Fire, Sinking, Collisions
- Fire Protection Systems

He has specialized experience in commercial kitchen fires including trainings focused on inspection and function of fire protection systems. He has conducted several investigations involving commercial kitchens. He also has specialized experience in agricultural fire investigations of grain processing and storage, food processing and farm equipment, as well as fire protection systems including sprinkler and alarm systems in small and large (1,000,000 sq. ft.) commercial facilities. His experience includes the pre-construction plan review, construction inspection and observation of final testing at completion.

Mr. McVey has over 80 hours of recorded flight time and over 500 flights on record. Mr. McVey is the Chief Pilot of UAS operations for Sedgwick/EFI providing administrative support for 75 operators within Sedgwick and EFI.

Licenses and Certifications:

FAA Part 107: 4226911, Recurrent Training: April 6, 2021

CFI, IAAI, #14-120812

CMI, IAMI, #04099-154

CFEI, NAFI, #8528-3565

CVFI, NAFI, #8528-3565

Fire Investigator, IN, #24092

Fire Inspector I and II, IN, #24092

Private Investigator, IN, #PI20700099

Private Investigator, IL, #129.325584

Private Investigator, TN, #000047843

Private Investigator, AL, #286

Private Investigator, KY, #KY0710

Fire Investigation Project Experience:

Fowler Law Group, Calvert City, KY, Origin and Cause for towboat explosion, Marine loss

Grange Insurance, Valparaiso, IN, Origin and Cause for commercial loss, \$1,500,000, Commercial loss

Allianz Global Corporate and Specialty, Richmond, IN, Origin and Cause in a dairy processing, facility, \$500,000, Commercial loss

Indiana Farmers Insurance, Middletown, IN, Origin and Cause on a Meyer 1800s grain drying tower, \$150,000 – Agricultural loss

Indiana Farmer Insurance, Valparaiso, IN, Origin and Cause – Liability Defense 1.5 million-dollar - Residential loss

National Interstate Insurance, Ellettsville, IN, Origin and Cause – product defect \$500,000 RV fire – defective refrigeration

Homegoods Distribution Center, Brownsburg, IN, Fire Protection Systems review and construction inspection, 1,000,000 sq. ft. warehouse

Guitar Center Distribution Center, Brownsburg, IN, Fire Protection Systems review and construction inspection, 7000,000 sq. ft. warehouse, Origin and Cause for commercial loss \$1,500,000 Commercial loss

Drone Pilot Project Experience:

Tornado damage survey
Thermal roof inspections
Fire scene photography and mapping
CAT response post Hurricanes Laura, Sally and Ida
LNG pipeline inspection/mapping
Large loss mapping and modeling

Aircraft Experience:

Mavic 2 Enterprise Dual
Phantom Pro 3
Mavic 2 Zoom
Autel EVO 2
Mavic 3

Court Qualifications/ Depositions:

Litigation CV available upon request.

Professional Experience:

EFI Global, Franklin, TN, Fire Investigator, 2007 – Present
Unified Fire Investigations, Special Investigator, 2003 – 2006
Indianapolis Fire Department (merged with Washington Township Fire Department), Firefighter,
Paramedic 1989-2010, Hazardous Materials, 1989 – 2009
Brownsburg Fire Territory, Assistant to the Fire Marshal, 2000-2003, Plan-review, inspections, code
enforcement

Specialized Education:

Remote Pilot 101
Association for Unmanned Vehicle Systems International (AUVSI) Top Operator Level 1
Association for Unmanned Vehicle Systems International (AUVSI) Top Operator Level 2, 3/2020
ABJ Drone Academy Thermography Level 1, 4/2020
Tennessee Fire and Arson Conference, IAAI Tennessee, 31 hours tested, August 2021
Residential Gas Systems, CFI Trainer – IAAI, 3 hours, October 2020
Basic Electricity, CFI Trainer – IAAI, 4 hours, October 2020
International Association of Marine Investigators (IAMI) National Seminar, 24 hours, March 2019
Tennessee Fire and Arson Conference, IAAI Tennessee, 31 hours tested, August 2018
Tennessee Advisory Committee on Arson Conference, 18 hours tested, May 2018
International Association of Marine Investigators (IAMI) National Seminar, 24 hours, March 2017
Maritime Law, International Association of Marine Investigators National Seminar, March 2017
Marine Electrical Systems, IAMI National Seminar, March 2017
Marine Damage Analysis, IAMI National Seminar, March 2017
International Association of Marine Investigators Regional Seminar, 16 hours, October 2016
Hull Identification, IAMI Regional Seminar, October 2016
Fire investigation, IAMI Regional Seminar, October 2016
Ethics and the Fire Investigator, CFITrainer.net, 3 hours tested, February 2016
Residential Electrical Systems CFITrainer.net, 4 hours tested, January 2016,
Tennessee Advisory Committee on Arson Conference, 18 hours tested, May 2015
Marine Fire Scene Investigations, CFITrainer.net, 4 hours tested, January 2015
Process of Elimination, CFITrainer.net; 3 hours tested, January 2015
Investigation of Gas and Electrical Appliance Fires, Fire Findings, April 2014, 30 hours tested
NFPA 921 and 1033 2014 Editions: Revisions Affecting Fire Investigators, CFITrainer.net, 3 hours
tested, March 2014
Indiana Fire and Arson Conference, IAAI Indiana Chapter #14, 18 hours tested, August 2013
Testify as an Expert in the Age of Daubert and 921, IAAI National Conference, 3 hours tested, May
2013
Fundamentals of Fire Protection Systems, IAAI National Conference; 2 hours tested, May 2013
Dryer Fires, IAAI National Conference, 2 hours tested, May 2013
Developing and Implementing Fire Investigation Safety Protocols, IAAI Conf., 4 hours tested, May
2013
Overview of Fires Involving Lighting Fixtures, IAAI National Conference; 3 hours tested, May 2013
Forensics Accountant's Role in Fire Investigation, IAAI National Conference; 2 hours tested, May
2013
Investigating of Chemical and Industrial Events, IAAI National Conference; 2 hours tested, May 2013
Effective Use of Social Media in Fire Investigation, IAAI National Conference; 1 hour tested, May
2013
On Scene Narrative Interviews, IAAI National Conference; 2 hours tested, May 2013
Origin Matrix Analysis, IAAI National Conference; 2 hours tested, May 2013
Writing Expert Reports IAAI National Conference; 2 hours tested, May 2013

Fire On Trial, IAAI National Conference; 1 hour tested, May 2013

Electrical Aspects of Fire Investigation; 16 hours tested, Jan, 2013

Fire Scene Documentation: An Evolving Process, IAAI National Conference; 2 hours tested, May 2011

Applied Fire Dynamics, IAAI National Conference; 4 hours tested, May 2011

New Photography Techniques: High Dynamic Range, IAAI National Conference; 2 hours, May 2011

Exhaust Fan Fires, IAAI National Conference; 2 hours tested, May 2011

Low Voltage Ignition Sources, IAAI National Conference; 2 hours tested, May 2011

Vehicle Fires, IAAI National Conference; 4 hours tested, May 2011

Gas Properties and Investigating Gas Appliance Fires, IAAI National Conf.; 4 hours tested, May 2011

Electronic Evidence: What Investigators Need to Know, IAAI National Conf.; 4 hours tested, May 2011

Fireplace and Chimney Fires, IAAI National Conference; 4 hours tested, May 2011

Objectives of Evidence: Forgotten Forensics, IAAI National Conference; 2 hours tested, May 2011

2009 Vehicle Fire Investigations Science and Technology Seminar, National Association of Fire Investigators (NAFI); 32 hours tested, September 2009

Investigation Scene Safety, IAAI – CFITrainer.net; 4 hours tested, December 2008

Insurance and the Fire Investigation, IAAI – CFITrainer.net; 4 hours tested, December 2008

Documenting the Fire Scene, IAAI – CFITrainer.net; 4 hours tested, September 2008

Ventilation-Focused Approach to the Impact of Building Structure and Systems of Fire Development, IAAI – CFITrainer.net; 4 hours tested, September 2008

Digital Photography and Fire Investigations, IAAI – CFITrainer.net; 4 hours, September 2008

Vacant and Abandoned Buildings, IAAI – CFITrainer.net; 4 hours, August 2008

Documenting the Fire Scene, IAAI – CFITrainer.net; 4 hours, September 2008

Physical Evidence at the Fire Scene, IAAI – CFITrainer.net; 4 hours, December 2008

Indiana Fire and Arson Conference, IAAI Indiana Chapter #14; 8 hours, August 2008

Commercial Kitchen Fire Investigation, Phil Ackland Training; 8 hours, May 2008

Education:

Bachelor of Science, Fire and Safety Engineering Technology, University of Cincinnati, 1996

Affiliations:

International Association of Arson Investigators (IAAI), Chapters: Indiana
National Association of Fire Investigators (NAFI)

National Society of Professional Insurance Investigators (NSPII)
ASTM Technical Committee F38 Unmanned Aircraft Systems
Association for Unmanned Vehicle Systems International (AUVSI)

Publications and Presentations:

Daylight Waiver submission – successful
Night Flight Policy – Authored
Sedgwick UAS General Operations Manual - Authored
Preserving the Fire Scene (2009)