

Mark A. Crowley | District Manager / Northwest District - **CFI, CFEI**

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Professional Summary:

Mr. Crowley has more than 26 years of experience in the fire service, fire investigation, fire inspection and related fields. He has extensive experience evaluating origin and cause, scene analysis, technical writing, evidence collection, site documentation, field testing, and multiagency coordination. He has investigated over 300 fire and explosion scenes as a public and private investigator and taught fire investigation courses at the collegiate level.

- Fire Origin and Cause
- Vehicle Origin and Cause
- Complex Scene Analysis

Licenses and Certifications:

Certified Fire Investigator, International Association of Arson Investigators, #21-073133

Certified Fire and Explosion Investigator, National Association of Fire Investigators, #9747-4442

Licensed Unarmed Private Investigator & Certified Trainer, Washington State, #3218

Project Experience:

Commercial Structure Fire, Bellingham, WA

Complete Fire Investigation

Site Coordinator for a multiple party, multiple day examination of a historic commercial structure in Bellingham, Washington.

Residential Structure Fire, Bellingham, WA

Complex Fire Investigation

Fire investigation assignment involving identifying, locating, and conducting multiple witness interviews, fire dynamics evaluation of fire origin and fire spread hypotheses, and gathering additional information not collected or analyzed by other investigators.

Pacific Northwest Fire Investigation Conference, Leavenworth, WA

Annual Fire Investigation Conference/Seminar

Member of conference planning committee to present state-of-the-art education and training at the Annual Conference, jointly sponsored by the Northwest Fire Investigators Association and the International Association of Arson Investigators, Washington State Chapter #21 (2004 – Present).

Royal Thailand Police (Forensic Science Division), Bangkok, Kingdom of Thailand

Instruction & Good Will Outreach

On behalf of the United States State Department, Lead Instructor for a team of fire investigators to provide fire investigation instruction to almost 400 (of 750) members of the Royal Thailand Police (Forensic Science Division).

Court Qualifications/ Depositions:

Litigation CV available upon request.

Professional Experience:

EFI Global, Inc. (Lakewood, WA), District Manager, 2020 – Present

EFI Global, Inc. (Lakewood, WA), Fire Science Principal, 2018 – 2020

Unified Investigations & Sciences, Inc (Lakewood, WA), Senior Fire Investigator/Team Lead, 2018

Unified Investigations & Sciences, Inc (Lakewood, WA), Senior Fire Investigator, 2014 – 2017

Tukwila Fire Department (Tukwila, WA), Firefighter-EMT (Fire Investigator), 1993 – 2017

Unified Investigations & Sciences, Inc (Lakewood, WA), Fire Investigator, 2013 – 2014

Snohomish County Fire Marshal's Office (Everett, WA), Fire Investigator, 2005 – 2009

King County Fire District #40 (Renton, WA), Firefighter- EMT, 1991 – 1993

Washington State University Fire Services (Pullman, WA), Resident Firefighter, 1991

King County Fire District #24 (SeaTac, WA), Resident Firefighter, 1991

Fatigue Technology, Inc. (Tukwila, WA), Laboratory Technician, 1989 – 1991

Specialized Education:

Alternative Fuel Vehicles, IAAI (CFITrainer.net), 2024

The Deposition Part 2: Questioning Tactics and Effective Responses, IAAI (CFITrainer.net), 2024

Discovery in Criminal Cases, IAAI (CFITrainer.net), 2024

Donning and Doffing Personal Protective Equipment, IAAI (CFITrainer.net), 2024

Fundamentals of Interviewing, IAAI (CFITrainer.net), 2024

Fundamentals of Residential Building Construction, IAAI (CFITrainer.net), 2024

Legal Aspects of Investigating Youth-Set Fires, IAAI (CFITrainer.net), 2024

Search and Seizure, IAAI (CFITrainer.net), 2024

Site Safety Assessment, IAAI (CFITrainer.net), 2024

Vacant and Abandoned Buildings: Hazards and Solutions, IAAI (CFITrainer.net), 2024

Practical Fire Dynamics, Pacific Northwest Fire Investigation Conference, 2022

Residential Electrical Systems, IAAI (CFITrainer.net), 2022

Fire Protection Systems, IAAI (CFITrainer.net), 2021

The Deposition Part 1: Format, Content, and Preparation, IAAI (CFITrainer.net), 2021

Physical Evidence at the Fire Scene, IAAI (CFITrainer.net), 2021

Evidence Examination: What Happens at the Lab, IAAI (CFITrainer.net), 2021

Fire Investigation for Company Officers, IAAI (CFITrainer.net), 2019

Thermometry, Heat, and Heat Transfer, IAAI (CFITrainer.net), 2019

Ethical Duties Beyond the Fire Scene, IAAI (CFITrainer.net), 2019

Understanding Undetermined, IAAI (CFITrainer.net), 2019

Accreditation, Certification, and Certificates; IAAI (CFITrainer.net), 2018 (REFRESHED)

Discovery in Civil Cases, IAAI (CFITrainer.net), 2018

Explosion Case Preparation, Eastern Kentucky University, 2018

Systems and Failure Analysis, Eastern Kentucky University, 2018

Advanced Topics in Fire Investigation, Pacific Northwest Fire Investigation Conference, 2018

Fire Dynamics; Eastern Kentucky University, 2018

Failure Analysis; Eastern Kentucky University, 2017

What the Insurance Professional Needs to Know About Fire Investigation, IAAI (CFITrainer.net), 2017

Process of Elimination, IAAI (CFITrainer.net), 2017

Investigating Natural Gas Systems, IAAI (CFITrainer.net), September 26, 2017, 3 Hours (tested)

Investigating Motor Vehicle Fires, IAAI (CFITrainer.net), 2017 (REFRESHED)

The Practical Application of the Relationship Between NFPA 1033 and NFPA 921, IAAI (CFITrainer.net), 2017 (REFRESHED)

Introduction to Evidence, IAAI (CFITrainer.net), 2017 (REFRESHED)

Documenting the Event, IAAI (CFITrainer.net), 2017 (REFRESHED)

Investigating Natural Gas Systems, IAAI (CFITRainer.net), 2017

Post-flashover Fires, IAAI (CFITRainer.net), 2017

Advanced Explosion/Bomb Investigation; Eastern Kentucky University, 2017

Fire Arson & Explosion Investigation I; Eastern Kentucky University, 2017

Unified Investigations & Sciences, Essentials of NFPA 1033, 2017

Introduction to Forensic Science; Eastern Kentucky University, 2016

Fire Investigator Scene Safety, IAAI (CFITRainer.net), 2016

Writing the Initial Origin and Cause Report, IAAI (CFITRainer.net), 2016

Legal Aspects of Fire Protection & Safety; Eastern Kentucky University, 2015

Principles of Occupational Safety & Health; Eastern Kentucky University, 2015

Accreditation, Certification, and Certificates, IAAI (CFITRainer.net), 2015

Fire Behavior and Combustion; Eastern Kentucky University, 2014

Proving Criminal Acts; Eastern Kentucky University, 2014

International Association of Arson Investigators International Training Conference, Las Vegas, Nevada, 2014

Wildland Fires Investigation, IAAI (CFITRainer.net), 2014

Electrical Safety, IAAI (CFITRainer.net), 2014

Basic Electricity, IAAI (CFITRainer.net), 2014

The HAZWOPER Standard, IAAI (CFITRainer.net), 2014

Explosion Dynamics, IAAI (CFITRainer.net), 2014

Understanding Fire Through the Candle Experiments, IAAI (CFITRainer.net), 2014

Effective Investigation and Testimony, IAAI (CFITRainer.net), 2014

Charleston Sofa Super Store Fire, IAAI (CFITRainer.net), 2014

DNA, IAAI (CFITRainer.net), 2014

NFPA 921 and 1033 2014 Editions: Important Revisions, IAAI (CFITRainer.net), 2014

An Analysis of the Station Nightclub Fire, IAAI (CFITRainer.net), 2014

Ethics and Social Media, IAAI (CFITRainer.net), 2014
How First Responders Impact the Fire Investigation, IAAI (CFITRainer.net), 2013

The Impact of Ventilation in Building Structures and Systems on Fire Development, IAAI (CFITRainer.net), 2013

NFPA 1033 and Your Career, IAAI (CFITRainer.net), 2013

The Practical Application of the Relationship Between NFPA 1033 and NFPA 921, IAAI (CFITRainer.net), 2013

Insurance and the Fire Investigation, IAAI (CFITRainer.net), 2013
Using Resources to Validate your Hypothesis, IAAI (CFITRainer.net), 2012

Burn to Learn; Pacific Northwest Fire Investigation Conference; Leavenworth, Washington, 2012

International Association of Arson Investigators Annual Training Conference; Dover, Delaware 2012

Preparation for the Marine Fire Scene, IAAI (CFITRainer.net), 2012

Digital Photography and the Fire Investigator, IAAI (CFITRainer.net), 2012

Arc Mapping Basics, IAAI (CFITRainer.net), 2012

Critical Thinking Solves Cases, IAAI (CFITRainer.net), 2012

The Potential Value of Electronic Evidence in Fire Investigations, IAAI (CFITRainer.net), 2012

The Fire Investigator & the 2011 NFPA 921 Changes, IAAI (CFITRainer.net), 2011

Private Investigator Training; Green River Community College, Auburn, Washington 2010

Ethics and the Fire Investigator, IAAI (CFITRainer.net), 2010

MagneTek: A Case Study in the Daubert Challenge, IAAI (CFITRainer.net), 2009

The Scientific Method of Fire and Explosion Investigation, IAAI (CFITRainer.net), 2009

Expert Courtroom Testimony Program; International Association of Arson Investigators, Lake Oswego, Oregon 2009

Electrical and Fuel Gas Fire Causes; Pacific Northwest Fire Investigation Conference, Leavenworth, Washington 2009

International Association of Arson Investigators Annual Training Conference; Dallas, Texas, 2009

Post Flashover & Arson Fraud Investigation; Pacific Northwest Fire Investigation Conference, Leavenworth, Washington 2008

Investigation of Illegal Animal Fighting; Humane Society of the United States, Monroe, Washington 2008

Introduction to Fire Dynamics and Modeling, IAAI (CFITRainer.net), 2008

Investigating Motor Vehicle Fires, IAAI (CFITRainer.net), 2008

Introduction to Evidence, IAAI (CFITRainer.net), 2008

Documenting the Event, IAAI (CFITRainer.net), 2008

Narrative Report Writing for Investigators; Insight Instruction, Everett, Washington 2008

Juvenile Fire Setter Interventional Specialist I/II; National Fire Academy (Off-Site), Bremerton, Washington 2008

Criminal Investigation; Everett Community College

Electrical and Fuel Gas Fire Investigations; Washington State Fire Investigation Conference, Leavenworth, Washington 2007

Interviewing Techniques; Washington State Fire Investigation Conference, Leavenworth, Washington 2006

Introduction to Criminal Law; Bellevue Community College, 2006

Advanced Fire Scene Photography; Washington State Fire Investigation Conference, Leavenworth, Washington, 2005

Advanced Fire Scene Investigation; Bellevue Community College, 2005

Child Interview Techniques; Public Agency Training Council, Bothell, Washington 2005

Vehicle Fire Investigation; Washington State Region 7 Fire Investigation Council, Ellensburg, Washington, 2005

Juvenile Fire Setter, Bellevue Community College, 2004, 20 Hours

Advanced Fire Investigation; Washington State Fire Investigation Conference, Leavenworth, Washington 2004, 40 Hours

Vehicle Fire/Arson Investigation; Public Agency Training Council, Kent, Washington 2004, 24 Hours

Introduction to Fire Modeling/Smokeview; BATF/Region 4 Fire Investigation Council, Tukwila, Washington 2004

Forensic Photography; BATF/Region 4 Fire Investigation Council, Tukwila, Washington 2004

Combating Arson for Profit; Bellevue Community College, 2004

Investigative Interview Techniques; Bellevue Community College, 2004

Crime Scene and Physical Evidence; Bellevue Community College, 2004

Fire Pattern Certification; Public Agency Training Council, Kirkland, Washington 2003

Chemistry of Hazardous Materials; National Fire Academy (Off-Site), Bellevue, Washington, 1999

Hazardous Materials Technician; United States Environmental Protection Agency, Region X, Shelton, Washington 1998

Fire Cause Determination; King County Training Officer's Association, Woodinville, Washington

Basic Fire Investigation; Bellevue Community College, 1993

Building Construction, Bellevue Community College, 1993

Fire Inspections & Codes, Bellevue Community College, 1992

Professional Report Writing, Bellevue Community College, 1992

Hazardous Materials II, Bellevue Community College, 1992

Fire Protection Systems, Bellevue Community College, 1989

Hazardous Materials I, Bellevue Community College, 1989

Education:

Master of Business Administration, University of Arizona Global Campus, Phoenix, AZ (Anticipated March 2026).

Bachelor of Science, Fire Arson and Explosion Investigation, Eastern Kentucky University, Richmond, KY (August 2018)

Associate of Arts, Fire Investigation, Bellevue College, Bellevue, WA (June 1997)

Associate of Arts, Fire Science Administration, Bellevue College, Bellevue, WA (June 1993)

Affiliations:

International Association of Arson Investigators

International Association of Arson Investigators, Washington State Chapter #21

National Association of Fire Investigators

National Fire Protection Association

Northwest Fire Investigators Association

Courses Instructed/ Guest Lecturer:

Instructor, *Fire Investigation for Company Officers*, King County Training Officer's Association; Presented Annually, 2009-2019

Cadre Instructor, *Basic Firefighting Techniques*, Everett Community College, 2008-2014 (Two academy classes per year, including *Fire Investigation for Firefighters*)

Instructor, *Basic Fire Investigation and Evidence Preservation*, (40 Hour Course)
Everett Community College; 2008-2013 (two classes per year)
Northwest Fire Investigators Association; 2013
Enumclaw Fire Department; 2009
Bellevue College; 2008

Lead Instructor, *Fire Scene Investigation (Instructor Development Course)*; US State Department, Transnational Criminal Affairs Section (TCAS) – Royal Thailand Police, (Forensic Science Division), Bangkok Thailand; 80 Hour Course, March 2011 Bangkok, Thailand

Instructor, *Fire Scene Investigation*; US State Department, Transnational Criminal Affairs Section (TCAS) – Royal Thailand Police (Forensic Science Division), Bangkok, Thailand; 40 Hour Course, 2 classes each: June 2010; September 2010; Course Assistant, March 2011

Instructor, *Combating Arson for Profit*, Bellevue College, 2010, 2011

Guest Lecturer, *Fire Investigation for Forensic Students*, Everett Community College, March 2008 & October 2009

Guest Lecturer, *Child Fatalities and Serious Physical Abuse: Guidelines for First Responders*, Moses Lake, WA, 2008

Honors and Awards:

Values in Action, Sedgwick, 2018

Summit Award, Unified Investigations & Sciences, Inc, 2015

International Fire Service Training Association (IFSTA) 2012 Calendar Contest Winner, (*February 2012 Calendar Photograph*)

Fire Photography Award – Accidental Fire Cause – Second Place, International Association of Arson Investigators, 2006, (*Cover Photograph - April 2006 Fire & Arson Investigator*)

Fire Photography Award – Incendiary Fire Cause – Second Place, International Association of Arson Investigators, 2006