

**Robert Cox | Fire Investigator, IAAI-CFI (V), NAFI-CFEI, IAAI-FIT (V)**

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**Professional Summary:**

Mr. Cox joined the Kenilworth Volunteer Fire Department in 1991 at the age of 18, while being a senior in High School. He earned his Firefighter I and Firefighter II certifications and an associate degree in Fire Science and Technology, from Union County College. Before leaving the in 1999 he rose to the rank of Lieutenant and won a lifesaving award from the Borough of Kenilworth.

Mr. Cox was hire by the Kenilworth Police Department in 1999 and attended the John H. Stamler Police Academy. After graduating he was assigned to the Patrol Division. In 2002 Officer Cox joined the Union County Fire Investigation Unit. In 2003 he completed the IAAI 80-hour basic fire investigation course.

Mr. Cox was a member of the County Fire Investigation Unit from 2002 to 2011. In 2006 he became a Team Leader, in which he oversaw numerous investigations. He then went on to earn his NAFI CFEI certification. In 2020 he was reassigned to the Union County Fire Investigation Unit and serves on it to this date.

During Mr. Cox 25-year career with the Kenilworth Police Department, he attended numerous professional development classes. He attended Crash I given by North Western College and investigated numerous major accidents in the Borough. He also attended Interview and Interrogation course given at the Stamler Police Academy. In 2018 Officer Cox was promoted to the rank of Sergeant and was assigned to the patrol division. In 2021 he was promoted to Lieutenant and assigned to the patrol division.

In 2020 he earned his UAS Remote Pilot's License and became the Commander of the Kenilworth Police Department Drone Program, which he started. He oversaw training the drone pilots and updating the Departments SOP.

In 2018 he rejoined the Kenilworth Volunteer Fire Department as an Auxiliary Members and continues to volunteer to this day.

**Licenses and Certifications:**

Certified Fire Investigator, IAAI-CFI (V), #17-012757

Certified Fire and Explosion Investigator, CFEI, # 9511-4495

Certified Instructor, International Association of Arson Investigators

UAS Remote Pilot License, #4517778

Certified Fire Investigation Technician, IAAI-FIT (V)

Certified Evidence Collection Technician, IAAI-ECT, # 1313

Certified Fire Investigator, State of New Jersey, #199049

### Professional Experience:

EFI Global, Fire Investigator, 2023 to present  
Kenilworth Volunteer Fire Department, Fireman, Lieutenant, 1991-1997, 2018-Present  
Kenilworth Police Department, Lieutenant, 1999 to 2024

### Specialized Education:

Origin & Cause Hypothesis Testing Fundamentals, CFITrainer.net, 3 hours tested, 12/9/2025  
Using Artificial Intelligence in Fire Investigations, Virtual Offerings, NY-IAAI, 12/8/2025  
Investigating Candle Fires & The Importance of Studying Smoke Detectors on Fire Scenes, NJ-IAAI, 8 hours tested, 11/7/2025  
NJ-IAAI 2025 Mid-Year Training Course, Investigation Candle Fires & The Importance of Studying Smoke Detectors on Fire Scenes, 8 hrs., 11/7/2025  
Lightning Fire Cause Investigation, CFI Trainer, 3 hrs., 8/2/2025  
Lightning Fundamentals, CFI Trainer, 3 hrs., 8/2/2025  
Basic Explosion Scene Investigations, IAAI NJ chapter, 4 hrs. tested, 6/25/2025  
Complex Scene Investigations, IAAI NJ chapter, 4 hrs. tested, 6/25/2025  
Commercial Kitchen Fires 1: Fundamentals, CFITrainer.net, 3 hrs., tested, 7/16/2025  
NJ IAA Conference, 10/2024  
Expert Witness Courtroom Testimony, IAAI 40 hrs. tested, 11/2024  
The New NFPA 1321 Standard for Investigation Units, NJ-IAAI, 10/2024  
Research, Materials, and Models: Knowledge for Fire Investigators, NJ-IAAI, 10/2024  
New Jersey Division of Fire Safety Certification Courses:  
Local Delivery Code Enforcement & Instructor, 6/2024  
Local Delivery Cau's Fire Investigator, 5/2024  
Fire Investigator Mtg., 3/2024  
NJ IAAI Conference, 3/2024 & 2/2024  
NJ Chief Meeting 1/2024  
Preparation for the Marie Fire Scene, CFI Trainer – 8/2024  
Knowledge 1 Motor Vehicle Fires Tier 1, CFI Trainer – 6/2024  
24 hours Vehicle Fire Investigation Course, NJ Chapter IAAI, 6/2024  
Ethics & Social Media, CFI Trainer- 2/2024  
Arc Mapping Basics, CFI Trainer- 2/2024  
NJ 2024-AGM, IAAI, 3/2024  
Motor Vehicles: The Engine and the Ignition, Electrical, and Fuel Systems, CFI Trainer- 3/2024  
Motor Vehicles: Transmissions, Exhaust, Brake, and Accessory Systems, CFI Trainer- 3/2024  
Electric & Hybrid Vehicle Fires, CFI Trainer- 3/2024  
Fire Investigation continuing education CFI Trainer.net classes:  
DNA- 12/2023  
Evidence Examination: What Happens at the Lab- 12/2023  
Process of Elimination- 09/2023  
Fire Effects Part 1: Heat Effects on Fuels- 06/2023  
NFPA 1033 & 921: 2022/2021 Editions Important Updates- 5/2023  
Basic Electricity- 3/2023  
Understanding Fire Through the Candle Experiments- 01/2023  
Physical Evidence at the Fire Scene- 01/2023  
Ste Safety Assessment- 01/2023  
Residential Natural Gas Systems- 12/2022  
Writing the Initial Origin and Cause Report- 12/2022  
NFPA 1033 and Your Career- 08/2022

Vacant and Abandoned Buildings: Hazards and Solutions- Origin 4/09, Refresh 8/22  
Lithium-Ion Battery Fires- 09/2022  
Insurance and the Fire Investigation- 05/2022  
The Scientific Method for Fire and Explosion Investigation- 05/2022  
Understanding Undetermined- 05/2022  
Introduction to Evidence- 05/2022  
Investigating Motor Vehicle Fires- 05/2022  
Charting Your Career Path in Fire Investigation- 04/2022  
Critical Evaluation and Testing of Commonly Reported Accidental Causes- 04/2022  
Documenting the Event- 04/2022  
Effective Investigation and Testimony- 04/2022  
Ethics and the Fire Investigator- 04/2022  
Explosion Dynamics- 04/2022  
Fire Chemistry- 04/2022  
Fire Flow Analysis- 04/2022  
Fire Investigator Scene Safety- 04/2022  
Fundamentals of Interviewing- 04/2022  
UL Firefighter Safety Research Institute:  
Impact of Horizontal Ventilation on Fire Behavior- 01/2023  
Suppression Tactics in Single-Family Homes- 02/2023  
Science of Fire and Explosion Hazards from Lithium-Ion Batteries- 03/2023  
New Jersey International Association of Arson Investigators:  
80 hours Basic Fire/Arson Investigation Course- 06/2003  
NJ Division of Community Affairs, Division of Fire Safety:  
Fire Investigator Certification (199049)- 04-2022 to 04/2025  
Instructor Development- Local Delivery- 02/2023  
Fire Investigator Meeting- 01/2023  
Local Delivery CEU's: Fire Investigator- 08/2022  
Instructor Development- Local Delivery- 08/2022  
Local Delivery CEU's: Fire Investigator- 06/2022  
Local Delivery CEU's: Fire Investigator- 06/2022  
Explosives & Explosive Effects (E&EE)- 06/2022  
New Jersey Fire Investigation Symposium- 05/2010  
New Jersey Fire Investigation Symposium- 04/2009  
NJ Division of Criminal Justice, Arson Investigation In-Service Course- 06/2005  
NJ Division of Criminal Justice, Arson Investigation In-Service Course- 03/2004  
PA Association of Arson Investigators:  
Residential Electrical Systems & Appliances: The NEC & Fire Causation- 10/2023  
Fatal Fire Investigations- 10/2023  
Expert Deposition & Trial Testimony in Fire Litigation- 10/2023  
The Use of Forensic Toxicology in Fire Death & Injury Investigation- 10/2023  
The 1995 Bricelyn Street Fire: Case Conclusion- 10/2023  
FAA Aviation Safety:  
Part 107 Small Uas Recurrent Course ALC-677- 05/2023  
Kenilworth Volunteer Fireman 04/1991 to 01/2000 and 04/2018 to Present:  
Fire Fighter I – 09/1991  
Fire Fighter II – 05/1997

### Education:

Associate of Applied Science, Fire Science Technology, 05/1997