
Andrew Rico | Fire Investigator, BSBA, NAFI-CFEI, IAAI-FIT

407 S. 107th Avenue Suite A22, Tolleson, AZ 85353

602-281-9687

Andrew.Rico@efiglobal.com

Professional Summary:

Andrew Rico has over 15 years' experience in the fire service as a professional firefighter/EMT, fire inspector, and fire investigator. He holds a bachelor's degree in business management from the University of Arizona. He attended the National Fire Academy and graduated from the Fire/Arson: Origin and Cause course in 2015. He has investigated over 250 fires as a sworn fire investigator. He is an active member of the Southern Arizona Arson and Explosives Group. His investigative experience includes residential and commercial structures, vehicles, wildland, fire fatalities, and explosions. His active experience in the fire service and continued training has given him expertise in fire dynamics and behavior, evidence collection, scene reconstruction, incendiary devices, and witness/suspect interview techniques.

Licenses and Certifications:

Certified Fire and Explosion Investigator, National Association of Fire Investigators
Fire Investigation Technician, International Association of Arson Investigators
Certified Emergency Paramedic, National Registry of Emergency Medical Technicians
Firefighter I & II, Arizona State Fire Marshall – Tucson Fire Department
HAZ MAT First Responder Operations, International Association of Firefighters
IS 700, National Incident Management System (NIMS)

Professional Experience:

EFI Global, Fire Investigator 2019 – Present
Tucson Fire Department, Fire Investigator 2016 – Present
Tucson Fire Department, Fire Investigator Intern, 2015 – 2016
Tucson Fire Department, Fire Inspector, 2014 – 2016
Tucson Fire Department, Firefighter/EMT, 2006 – 2014

Specialized Education:

Certified Fire Investigator Training – CFITrainer.net – IAAI
Fire Investigation for Fire Officers
Concentration in: Youth-Set Fires 3/31/2020
Concentration in: Motor Vehicle Fires 3/26/2020
Principles of Fire Investigation, 3/25/2020
2021 NFPA 921 Chapter 19 Fire Cause/Classification, 9/9/2020
Charting Your Career Path In Fire Investigation, 3/25/2020
Critical Evaluation and Testing of Commonly Reported Accidental Causes, 3/25/2020
Discovery in Civil Cases, 3/26/2020

Discovery in Criminal Cases, 4/9/2020
Ethics & Social Media, 4/1/2020
Fire Flow Analysis, 3/25/2020
How First Responders Impact The Fire Investigation, 3/24/2020
Insurance and the Fire Investigation, 3/25/2020
Introduction to Appliances, 3/26/2020
Legal Aspects of Investigating Youth-Set Fires, 3/31/2020
Managing Complex Fire Scene Investigations, 4/10/2020
Motor Vehicles: Transmission, Exhaust, Brake, and Accessory Systems, 3/26/2020
Preparation for the Marine Fire Scene, 4/6/2020
Search and Seizure, 8/3/2020
The HAZWOPER Standard, 4/7/2020
The Impact of Ventilation in Building Structures on Fire Development, 4/7/2020
Thermometry, Heat, and Heat Transfer, 4/2/2020
Vacant and Abandoned Buildings: Hazards and Solutions, 4/8/2020
Wildland Fires Investigations, 4/13/2020
Introduction to Youth-Set Fires, 01/20/2019
Understanding Undetermined, 01/04/2019
Residential Electrical Systems, 01/05/2019
Residential Natural Gas Systems, 01/20/2019
Fire Chemistry, 01/05/2019
Fire Investigation for Fire Officers, 01/20/2019
Motor Vehicles: The Engine and the Ignition, Electrical, and Fuel Systems, 01/05/2019
Investigating Natural Gas Systems, 01/07/2019
MagneTek: A Case Study In The Daubert Challenge, 08/06/2018
Fire/Arson O Arc Mapping Basics, 09/26/2018
Basic Electricity, 09/26/2018
Critical Thinking Solves Cases, 08/06/2018
Effective Investigation and Testimony, 07/30/2018
Electrical Safety, 09/26/2018
Introduction to Wildland Fire Behavior S-190, Tucson Fire Department, 1/23/2018
Arc Mapping Basics, 09/26/2018
Explosion Dynamics, 10/05/2018
Fundamentals of Interviewing, 07/30/2018
Postflashover Fires, 08/06/2018
Arizona Advanced Arson Seminar, AZIAAI, 8/30/2017
Fire Scene Photography Workshop, NWFDF, 1/10/2017
Arson IV, AZIAAI, 2016
Butane Hash Oil Seminar, AZIAAI, 3/8/2016
Digital Photography and the Fire Investigator, 02/22/2016
Writing the Initial Origin and Cause Report, 02/22/2016
Process of Elimination, 09/08/2016
Fire/Arson Scene Search and Evidence Recovery, PATC, 9/13/2016
Origin & Cause, National Fire Academy, 2015
Fire and Life Safety Plans Review, National Fire Academy, 2015
Arson III, AZIAAI, 2015
Ethics and the Fire Investigator, 09/18/2015
The Practical Application of the Relationship Between NFPA 1033 and NFPA 921, 09/18/2015
Basic Electricity & Open Neutral for Fire Investigators, SAZAEG, 10/16/2015
Residential Appliance Failure Analysis for Fire Investigators, SAZAEG, 5/13/2015
Solar Energy Workshop, Solar Energy International, 11/20/2015

UL2572 and New Life Safety Technologies, 5/22/2015
Underground Storage Tank Training, 2/24/2015
HazMat Safety Workshop, Pima County LEPC, 1/28/2015
Certified Fire Investigator Training – CFITrainer.net – IAAI
Documenting the Event, 11/26/2014
Fire Investigator Scene Safety, 11/20/2014
Fire Protection Systems, 11/21/2014
Fundamentals of Residential Building Construction, 11/28/2014
Introduction to Evidence, 11/25/2014
Introduction to Fire Dynamics and Modeling, 11/28/2014
Investigating Fatal Fires, 11/28/2014
Investigating Motor Vehicle Fires, 11/21/2014
NFPA1033 and Your Career, 11/21/2014
Physical Evidence at the Fire Scene, 11/26/2014
The Scientific Method for Fire and Explosion Investigation, 11/28/2014

Education:

Bachelor of Science in Business Administration, Business Management, The University of Arizona, Tucson, AZ, May, 2010

Affiliations:

International Association of Arson Investigators (IAAI)
International Association of Firefighters (IAFF)
National Association of Fire Investigators (NAFI)
National Registry of Emergency Medical Technicians (NREMT)
Arizona Chapter (IAAI)
Southern Arizona Arson & Explosives Group
Tucson Firefighters Association (TFFA)

Publications and Presentations:

"Special Response Division Arson Training" Tucson Police Department, Tucson Public Safety Academy. January 26, 2021

"Fire Investigations for the Company Officer" Fire Officer I & II, Tucson Public Safety Academy. October, 2019

"Juvenile Fire/Arson Demonstration" *ref. TFD Incident T1736369*, Juvenile Pima County Attorney's Office. November, 2017

"Fire Investigation" Palestinian Civil Defense (PCD), Tucson Fire Central. May, 2016

Honors and Awards:

Engine 4 "C" Unit Commendation, Tucson Fire Department, 2012

Engine 14 "C" Unit Commendation, Tucson Fire Department, 2007

***Litigation CV available upon request.