

CURRICULUM VITAE

JOSH S. BASTIAN, P.E, NAFI-CFEI

Joshua Bastian is registered professional engineer in California specializing in mechanical engineering and failure analysis of residential and consumer appliances.

QUALIFICATIONS:

- Provided failure analysis for hundreds commercial and residential property loss claims involving fire and water damage. Conducted on-scene and laboratory examination and analyses.
- Conducted engineering and testing for cases involving gas and electric stoves, furnaces, electrical outlets, outdoor and indoor lights, electric appliances, pellet stoves, pool pumps, microwaves, portable heaters, dishwashers, e-cigarettes, hobby vehicles, portable tool batteries, and HVAC systems.
- Performed material flame performance testing (UL 94 equivalent) on a residential space heater, a residential dishwasher, and other plastic samples.
- Collaborated on investigations with certified fire investigators, fire scientists, and professional engineers.
- Over 150 solo origin and cause fire investigations.

EDUCATION & CERTIFICATIONS:

PE Certification California, License# M 40120 <i>Board for Professional Engineers, Land Surveyors and Geologists</i>	July 2020
PE Examination <i>Passed Professional Engineering Exam for Mechanical Engineers</i>	April 2019
Certified Fire & Explosion Investigator <i>National Association of Fire Investigators</i>	March 2016
Registered Engineer in Training <i>Board for Professional Engineers, Land Surveyors and Geologists CA Certificate No. EIT 157113</i>	Dec. 2015
Mechanical Engineering, Bachelor of Science <i>University of California, Berkeley</i>	June 2003
Film and Digital Media, Bachelor of Arts <i>University of California, Santa Cruz</i>	July 2001

FIRE INVESTIGATION - FORENSICS - FIRE SCIENCE & ENGINEERING

ANSWERS FROM ASHES™

Serving Clients Nationwide - Offices:

California - Arizona - Nevada - Oregon - Washington - Idaho - N. Dakota - S. Dakota - Minnesota

Corporate Office
935 Pardee St
Berkeley, CA 94710
800.726.5939
www.fcfire.com

PROFESSIONAL DEVELOPMENT:

Fire Cause Analysis: Ulises Castellon <i>Fire & Explosion Investigations That Sizzle; 2hrs</i>	Jan. 2021
Cozen O'Connor: Webinar <i>Product(tive) Subro Claims</i>	Nov. 2020
FCA Investigator Meeting: <u>Co-Presenter</u> <i>Beyond the Scene: Evidence Collection and Moving the Case Forward for Subro and Liability Claims</i>	Oct. 2020
Arson Investigators Subrogation Webinar Series <i>The New Impact: NFPA 921, 2021 Ed. and NFPA 1033 2022 Ed.</i>	Sept. 2020
FCA Investigator Meeting: <u>Co-Presenter</u> <i>Evidence Collection, Documentation, and Dryer Fires; 2hrs. Tested</i>	May 2019
Cal-OSHA FIT (Terracon) <i>Respirator FIT Tested</i>	Aug. 2018
Cal-OSHA CCR (Terracon) <i>1hr. Lead Awareness; 2hrs. Asbestos Awareness</i>	Aug. 2018
Great Lakes Analytical: Webinar <i>Evidence Collection and Laboratory Testing</i>	Nov. 2017
Cozen O'Connor: Webinar <i>Fireplace and Chimney Subrogation: Common Claims and Recovery</i>	Oct. 2017
Cal-OSHA CCR (Argus Pacific) <i>1hr. Lead Awareness; 2hrs. Asbestos Awareness</i>	Aug. 2017
Fire Cause Analysis: Hal Lyson, CFI <i>NFPA 921 2017 Ed. Updates: 1 hr. Tested class</i>	April 2017
Cozen O'Connor: Webinar <i>Ventilation Fan Fires: Was the Ignition Inside or Outside the Fan?</i>	March 2017
Berkeley City Commons Club: <u>Co-Presenter</u> <i>Introduction to Fire Investigation</i>	Feb 2017
Fire K9.org: David Brien, EFI Global and John Dehaan <i>Arson Investigation Update: 4 hrs. Tested class</i>	Oct. 2016
IAAI North Dakota Chapter: <u>Co-Presenter</u> Tested Class <i>Fire Modeling: Tools for Fire Investigation and Testing the Hypotheses</i>	July 2016
Cozen O'Connor: Webinar <i>Lithium Battery Losses and Subrogation Issues</i>	March 2016
San Diego Fire-Rescue Dept – Metro Arson Strike Team <i>Ignition, Self-heating, and Spontaneous Combustion</i>	March 2016
Fire Cause Analysis <i>Promoted to Engineer Associate</i>	March 2016
Cal-OSHA CCR (RGA Environmental) <i>1hr. Lead Awareness; 2hrs. Asbestos Awareness</i>	June 2015
Sacramento-Sierra Regional Arson Task Force <i>Forensic Photography</i>	April 2015

Cozen O'Connor: Webinar	Dec 2014
<i>Expert Challenges and the Revised NFPA 1033</i>	
US Dept. Justice - Bureau of Alcohol, Tobacco, Firearms, and	Sept 2014
 Explosives	
<i>Advanced Electrical Fire Investigation</i>	
Cal-OSHA CCR (RGA Environmental)	June 2014
<i>1hr. Lead Awareness; 2hrs. Asbestos Awareness; 1hrs. Hazard</i>	
<i>Comm from Fire Scene Toxins</i>	
California Conference of Arson Investigators Bay Area Round Table	April 2014
Course	
<i>Crime Scene Investigation at Fire Scenes</i>	
California Conference of Arson Investigators Bay Area Round Table	March 2014
Course	
<i>Anatomy of a Wrongful Arson Conviction</i>	
California Conference of Arson Investigators Bay Area Round Table	Oct. 2013
Course	
<i>Getting the Most Out of Your Fire Scene</i>	
Fire Cause Analysis Investigators Class	July 2013
<i>Wildland Fire Pattern Recognition Workshop</i>	
Fire Cause Analysis	July 2013
<i>Hired as Research Associate</i>	

PROFESSIONAL:

Member – IAAI (International Association of Arson Investigators)	Nov 2020 - Present
Member – ASME (American Society of Mechanical Engineers)	March 2016 - Present
Member – National Association of Fire Investigators	Feb 2016 - Present