

Fire Cause Analysis

JOSHUA SEAN BASTIAN CURRICULUM VITAE

Joshua Bastian is registered engineer in training in California specializing in mechanical engineering and failure analysis of residential and consumer appliances. He works under the guidance of a professional Mechanical Engineer and professional Fire Protection Engineer.

QUALIFICATIONS:

- Provided failure analysis for over 40 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, and HVAC systems.
- Performed material flame performance testing (UL 94 equivalent) on a residential space heater.
- Collaborated on investigations with certified fire investigators, fire scientists and professional engineers.
- Over 10 solo cause and origin fire investigations.

EDUCATION & CERTIFICATIONS:

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>California State University, Berkeley</i>	June 2003
Film and Digital Media, Bachelor of Arts <i>California State University, Santa Cruz</i>	July 2001

PROFESSIONAL DEVELOPMENT:

IAAI North Dakota Chapter: Co-Presenter Tested Class <i>Fire Modeling: Tools for Fire Investigation and Testing the Hypotheses</i>	July 2016
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CORPORATE OFFICE:

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

PROFESSIONAL:

Member – ASME (American Society of Mechanical Engineers)	March 2016 - Present
Member – National Association of Fire Investigators	Feb 2016 - Present