

KURTIS VERN SAIYO CURRICULUM VITAE

Kurtis Saiyo 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 190 commercial and residential property loss claims involving fire and water damage. Conducted on-scene and laboratory examination and analyses.
- Conducted engineering and testing for dozens of cases involving gas and electric fireplaces, furnaces, stoves, outdoor barbeques, and HVAC systems.
- Designed experiments and performed operational testing and failure analysis for residential and consumer appliances including gas barbeques, electric floorboard heaters, refrigerators, upright fans, and coffee makers.
- Performed operational testing and failure analysis for commercial appliances including elevator equipment, a passenger train refrigeration system, cooking equipment, refrigeration systems, fire suppression systems and components and telecommunication equipment.
- 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.

LARGE PROJECTS:

- Developed a new rice sample drying system for Lundberg Family Farms for the purpose of drying rice similarly to the bulk drying process utilized by Lundberg Family Farms to accurately determine the quality and quantity of grower's rice.

EDUCATION & CERTIFICATIONS:

Certified Vehicle Fire Investigator National Association of Fire Investigators	Sept. 2015
Certified Fire & Explosion Investigator National Association of Fire Investigators	Sept. 2015
Registered Engineer In Training - Board for Professional Engineers, Land Surveyors and Geologists – CA Certificate No. EIT 149586	June 2013
California State University, Chico – Chico CA Mechanical Engineering, Bachelor of Science	May 2013

PROFESSIONAL DEVELOPMENT:

Cal-OSHA CCR (RGA Environmental) <i>1hr. Lead Awareness</i>	June 2015
Cal-OSHA CCR (RGA Environmental) <i>2hrs. Asbestos Awareness</i>	June 2015
Sacramento-Sierra Regional Arson Task Force <i>Forensic Photography</i>	April 2015
US Dept. Justice - Bureau of Alcohol, Tobacco, Firearms, and Explosives. <i>Advanced Electrical Fire Investigation</i>	Sept 2014
HAZMAT Fire Scene Awareness Certification: <i>Asbestos Awareness, Lead Awareness, and Hazard and 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 – National Association of Fire Investigators	May 2015 - Present
Member – National Society of Professional Engineers	May 2013 – Present
Member – Tau Beta Pi Engineering Honor Society	April 2013 – Present
Member – Order of the Engineer	March 2013 – Present
Member – American Society of Mechanical Engineers	2010 – Present

PRESENTATIONS:

Property Claims Association of the Pacific <i>Study and Analysis of Failures</i>	May 2014
Fire Cause Analysis Investigators Meeting <i>Electrical Tailboard</i>	February 2014