

William Steward, CFEI, CVFI

Mechanical Engineer

Laboratory Manager

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CERTIFICATIONS:

NAFI Certified Fire & Explosion Investigator (CFEI)

NAFI Certified Vehicle Fire Investigator (CVFI)

FARO Authorized 3D Lidar Scanner Operator

OSHA Permit & Non-permit Confined Space Entry

OSHA Forklift Operator

OSHA Aerial Lift Operator

PADI Dry Suit Diver / Advanced Open Water Diver

AFFILIATIONS:

Failure Analysis Society (FAS)

Society of Automotive Engineers (SAE)

National Association of Fire Investigators (NAFI)

International Association of Arson Investigators (IAAI)

EXPERIENCE:

Goodson Engineering, *Mechanical Engineer, Laboratory Manager*, Denton, TX, 2018 – Present

Kiewit Construction, *Structures Field Engineer*, El Paso, TX, 2017 - 2018

Goodson Engineering, *Mechanical Engineering Intern*, Denton, TX, 2015

City of Denton – Water/Waste Water, *Engineering Intern II*, Denton, TX, 2013 – 2015

EDUCATION:

BS, Mechanical Engineering, Texas A&M University, 2016

CONTINUING EDUCATION:

International Symposium on Fire Investigation, Science, and Technology – Itasca, IL, 2018

International Fire, Arson, & Explosion Investigation Training Program – Dallas, TX, 2018

FARO 3D Site Scanning & Rendering Training Program – Houston, TX, 2019

International Fire, Arson, & Explosion Investigation Training Program – Dallas, TX, 2023

International Fire, Arson, & Explosion Investigation Training Program – Lexington, KY 2023

PUBLICATIONS:

"Plasma Etching To Help Identify Acoustic Agglomeration Soot Patterns On Smoke Detector Piezo Disks", Proceedings ISFI, Sep. 2018

PRESENTATIONS:

Plasma Etching To Help Identify Acoustic Agglomeration Soot Patterns On Smoke Detector Piezo Disks, ISFI Plenary Speaker, Sep. 2018

Flood, Goodson Learning series on Water Losses – Goodson Engineering, Feb. 2020

Plasma Ashing as a Fire Investigative Tool, Goodson eLearning Series – Goodson Engineering, Oct. 2020

Fireplace Fires, Ignite Burn Learn series on Fire Investigation – Goodson Engineering, Apr. 2019, Jan. 2024

APPEARANCES:

GDC Industrial, Inc. v. Dory Creek, LLC d/b/a Bitdeer, 20th District Court of Milam County, Texas – 2026

ARTICLES:

"Computed Tomography (CT Scan) in the Forensic Engineering Industry", Linkedin.com, Sep. 24, 2019

"Traveling with Carbon Monoxide (CO)", Linkedin.com, Dec. 10, 2019

"Water Heater Drain Pan Maximum Drain Rate Study", Linkedin.com, Jan 22, 2024

EQUIPMENT:

Scanning Electron Microscopy (JOEL JSM-IT500 EDS & Hitachi S3000N EDAX/EDS)

CT Scan/XRAY Inspection (Nikon Metrology X-Tek XT H 225)

Lidar 3D Laser Scanning (FARO Focus S350)