

William Steward

Graduate Mechanical Engineer
Lab Manager
will@goodsonengineering.com

1500 Spencer Road, Denton, TX 76205
Phone (940)243-1324
Fax (940)387-1766

EDUCATION:

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

AFFILIATIONS:

MEMBER, Society of Automotive Engineers (SAE)
MEMBER, National Association of Fire Investigators (NAFI)

EXPERIENCE:

Goodson Engineering, *Lab Manager*, Denton, TX, January 2018 – Present
Kiewit, *Field/Office Engineer*, El Paso, TX, 2017 - 2018
Goodson Engineering, *Mechanical Engineering Intern*, Denton, TX, 2015
City of Denton, *Engineering Intern II*, Denton, TX, 2013 – 2015

CERTIFICATIONS:

FAA Remote Pilot Certification, Small Unmanned Aircraft Systems – Jun. 2019
FARO Authorized 3D Scanner Operator – Feb. 2019

CONTINUING EDUCATION:

International Fire, Arson, & Explosion Investigation Training Program – Dallas, TX, 2018
International Symposium on Fire Investigation, Science, and Technology – Itasca, IL, 2018

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

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

Fireplace Fires, Ignite Burn Learn – Goodson Engineering, Apr. 2019
Flood, Goodson Learning Series – Goodson Engineering, Feb. 2020

EQUIPMENT:

Scanning Electron Microscopy (Hitachi S3000N EDAX/EDS)
CT Scan/XRAY Inspection (Nikon Metrology X-Tek XT H 225)
Fourier transform infrared spectroscopy (Thermo-Scientific Nicolet 6700 FT-IR)
Lidar 3D Laser Scanning (FARO Focus S350)
Drone Piloting (DJI Mavic Series)
Optical Microscopy (Lecia MZ 75 Microscope)
Portable X-RAY Source (Golden Engineering XRS3 Pulsed X-RAY Source with ScanX Scout)
Plasma Etching/Cleaning (Plasma Etch PE-50)