

## Michael Shuttlesworth

Professional Engineer / Lab Manager

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### **CERTIFICATION:**

Engineer Intern, EIT 10700 (Oklahoma) 1997

Management Certificate, American Management Association, 2008

New Mexico Professional Engineer License #222267, 2014

Texas Professional Engineer License #120910, 2015

### **EDUCATION:**

BS, Mechanical Engineering, Oklahoma Christian University, 1997

Wind Power Basics and Wind Power Energy, Gotland University, Sweden – net based learning, 2009

Windsmith Certificate, Minnesota West Community and Technical College, 2010

### **EXPERIENCE:**

**Goodson Engineering**, *Lab Manager / Consulting Mechanical Engineer*, Denton, TX, 2010 – Present

**Cloverdale Church of Christ**, *Missionary/Teacher*, Searcy, AR, 1999-2009

**Governair**, *Engineering Intern*, Oklahoma City, OK, 1996-1997

### **CONTINUING EDUCATION:**

Corrosion: Fundamentals and Experimental Methods, Penn State University, June 2011

Residential Electricity, Goodson Engineering, February 2012

Scanning Electron Microscopy and X-ray Analysis, McCrone Research Institute, August 2012

Spectral Interpretation Applications Training Course, Thermo Scientific Training Institute, December 2014

Plastic Part Failure: Analysis, Design & Prevention, University of Wisconsin – Milwaukee, October 2015

Advanced Principles of Fire Dynamics, Gulf Coast Fire, February 2016

### **PUBLICATIONS:**

Transformer and Cable Sectioning, Fire & Arson Investigator, July 2011

CSST Lab Protocol, Fire & Arson Investigator, January 2012

Forensic Usage of Computed Tomography, Fire & Arson Investigator, April 2013

“Plasma Ashing as a Fire Investigative Tool,” Proceedings ISFI 2014

“Use of Bond Wires in ICS in Fire Investigation,” Proceedings ISFI 2014

“Loss Investigations Involving Heating Element Failures: Fire, Water and Personal Injury,” Proceedings ISFI 2016

“Energized Neutral Effects on Corrugated Gas Supply Lines,” Proceedings ISFI 2016