

## William H. “Rocky” Ford | Senior Engineer

3747 Quapaw Road, Benton, AR 72019

501.316.1716

Email: [William.ford@efiglobal.com](mailto:William.ford@efiglobal.com)

### Professional Summary:

Mr. Ford has more than 41 years of experience in mechanical engineering with more than 27 years of experience in forensic engineering. He specializes in mechanical failure, traffic accident reconstruction and fire investigation. He has conducted more than 1500 investigations and has attended various seminars and continuing education programs relating to forensic engineering. Mr. Ford has been a registered professional engineer since 1985, and is a past chairman of the Arkansas Section of American Society of Mechanical Engineers.

Mr. Ford is also an Accredited Traffic Accident Reconstructionist and Board Certified Diplomate in Forensic Engineering. He has experience in product design, HVAC systems, fluid handling, natural gas and LPG systems, and is a Certified Crash Data (CDR) Retrieval System Technician and Data Analyst. He has also provided expert testimony in federal, state and county courts in AR and TN.

### Licenses and Certifications:

Professional Engineer, AR, #6047  
Professional Engineer, OK, #22389  
Professional Engineer, TN, #00106300  
Professional Engineer, TX, #136009  
Accreditation Commission for Accident Reconstruction #1708  
Crash Data Retrieval (CDR) Operator and Analyst  
FAA Certified Small Unmanned Aircraft System (Drone) Airman, Certificate #4158236  
Board Certified Diplomate in Forensic Engineering by NAFE

### Project Experience:

Confidential Attorney Client, Arkansas  
Traffic Accident Reconstruction  
Investigated crash between pickup and dump truck on county road. Pickup burned with two victims trapped inside. Found that dump truck was travelling in excess of speed limit and across center of roadway.

Confidential Insurance Client, Arkansas  
Vehicle Fire Investigation  
Conducted examination of 2006 Jeep Liberty. Concluded that fire resulted from fault in blower motor circuit. Coordinated findings with National Highway Transportation Safety Administration. Vehicle was later recalled by NHTSA for blower motor fault.

### Project Experience (continued):

Confidential Insurance Client, Arkansas  
Mechanical Failure Investigation

Conducted investigation of large chandelier (1,200 lbs.) that fell during cleaning. Determined that winch lift unit was defective in design in that the pulleys and the wire rope employed were undersized.

Confidential Insurance Client, Arkansas  
Residential Explosion/Fire

Examined/Tested LPG system in fatal residential explosion/fire where system was initially suspected of being fuel source for explosion. Evaluation included electrical circuits associated with kitchen appliances. Found no fault with system or appliances. Subsequently, gasoline-soaked fabric was found in residence and determined to be source of explosive vapor.

### Professional Experience:

EFI Global, Senior Engineer, 2012 – Present

Accident Reconstruction and Technical Investigations (ARTI), Partner, 1998 – 2012

Arkla Gas Company, Customer Service Engineer, 1995-1998

Jack Tyler Engineering Company, Senior Mechanical Engineer/Branch Manager, 1987-1995

Ceco/Windsor Door Company, Product Engineering Manager, 1985-1987

Orbit Valve Company, CAD/CAM Engineer, 1982 – 1985

Jack Tyler Engineering Company, Service and Fabrications Engineer, 1977-1982

### Specialized Education:

Unmanned Aircraft Systems 1, University of Arkansas, 2018

Advanced Traffic Crash Investigation, University of North Florida, IPTM, 2015

Online Bosch Full CDR Technician, University of North Florida, IPTM, 2015

Advanced Accident Reconstruction, NAFE, 2013

Advanced Accident Reconstruction and Ethics for Forensic Engineer, NAFE, 2012

Residential Electricity for Fire Investigators, Fire Findings, 2011

Advanced Topics in Accident Reconstruction, NAFE, 2010

CDR Technician Refresher, Collision Safety Institute, 2009

Advanced Accident Reconstruction, NAFE, 2009

CDR Technician, Collision Safety Institute, 2007

CDR Analyst, Collision Safety Institute, 2007

Traffic Accident Reconstruction, Northwestern University, 2005

### Education:

Bachelor of Arts, Mathematics, Ouachita Baptist University, Arkadelphia, AR

Bachelor of Science, Mechanical Engineering, University of Arkansas, Fayetteville, AR

**Affiliations:**

National Society of Professional Engineers  
American Society of Mechanical Engineers  
National Academy of Forensic Engineers  
Accreditation Commission for Traffic Accident Reconstruction

**Courses Instructed/ Guest Lecturer:**

Forensic Engineering Analysis of Undeployed Air Bag in Impact, also published in NAFE Journal  
Forensic Engineering Analysis of Hunting Stand Failures, also published in NAFE Journal  
Photogrammetry: Application and Use of Eos Systems' Photomodeler

**Publications and Presentations:**

Ford, William. "Forensic Engineering Analysis of Undeployed Air Bag in Impact" National Academy of Forensic Engineers. June, 2003.  
Ford, William. "Forensic Engineering Analysis of Hunting Stand Failures" National Academy of Forensic Engineers. June, 2007.