

RYAN D. MCMAHAN, PE

Accident Research Specialists, PLLC 1631 NW Maynard Road, Suite 101, Cary, NC 27513 (919) 467-8134

PROFESSIONAL ENGINEER

North Carolina # 034982

EMPLOYMENT

CONSULTING ENGINEER

JUNE 2006 TO PRESENT

Accident Research Specialists, PLLC

Cary, North Carolina

Technical investigation, analysis, and deposition/trial testimony regarding accidents and failures involving vehicles and machinery. Areas of work and expertise include accident reconstruction, engineering analysis, technical investigation, failure analysis, standards research, and laboratory testing in the areas of mechanical and automotive engineering and machine design, applied to vehicle accidents (commercial vehicle/heavy trucks, automobiles, motorcycles, bicycles, and pedestrian/vehicle), heavy equipment accidents, construction accidents, and product failures and testing.

CONSULTING ENGINEER

JANUARY 2004 TO JUNE 2006

Mulkey Engineers and Consultants, Inc

Cary, North Carolina

(same as above)

ENGINEERING TECHNICIAN

SEPTEMBER 2003 TO DECEMBER 2003

Forensic Engineering, Inc

Raleigh, North Carolina

Project assistant responsible for performing time trials, tests and use of crash reconstruction software. Assisted in investigations of loss due to flood, fire and water damage.

EDUCATION

BACHELOR OF SCIENCE, MECHANICAL ENGINEERING

2003

North Carolina State University

Raleigh, North Carolina

MINORS: GRAPHIC COMMUNICATION AND BUSINESS MANAGEMENT

2003

North Carolina State University

Raleigh, North Carolina

MEMBERSHIP

Society of Automotive Engineers (SAE)

National Association of Professional Accident Reconstruction Specialists (NAPARS)

Accident Research Specialists, PLLC

F O R E N S I C E N G I N E E R S

CONTINUING EDUCATION

ARC/Collision Safety Institute – *Crash Conference (6/04 and 6/05)*

Macinnis Engineering Associates – *PC-Crash and PC-Rect Training Workshop (12/04)*

Collision Safety Institute - *Crash Data Retrieval (CDR) Technician Training (12/06)*

Bendix Commercial Vehicle Systems – *Air Brake Introductory Class (10/09)*

National Association of Professional Accident Reconstruction Specialists – *Heavy Vehicle Crash Reconstruction (10/09)*

Society of Automotive Engineers – *2011 Highway Vehicle Event Data Recorder Symposium (6/11)*

Ruth Consulting – *Use of Event Data Recorders in Traffic Crash Reconstruction (11/12)*

SunCam – *Work Zone Traffic Control (10/13)*

SunCam – *Forensic Engineering (Part A & Part B) – Metallic Material Failures (11/13)*

Red Vector – *OSHA Fatal Accidents & Prevention (12/13)*

Red Vector – *OSHA Cranes, Derricks, Hoists, Elevators & Conveyors (12/13)*

MEA Forensic – *PC-Crash Advanced Training (10/14)*

SunCam – *Fundamentals of Concrete (11/14)*

SunCam – *Fundamentals of Steel, Part A & B (12/14)*

Society of Automotive Engineers – *Tire Forensic Analysis (4/15)*

SunCam – *Manual on Uniform Traffic Control Devices, Part I & II (12/15)*

Trailer Side-Underride Testing (3/16, 1/17)

SunCam – *Intersection Safety (12/16)*

SunCam – *Drive Trains and Linkages (1/17)*

IIHS – *Truck Underride Roundtable/Testing (8/17)*

FAA – *Remote Pilot Certificate, Small Unmanned Aircraft Systems (12/17)*

MEA Forensic – *PC-Crash 3 Day Training Workshop (1/19)*

Ruth Consulting – *CDR Update Workshop (11/20)*