

**RESUME of**  
**L. WAYNE McCracken, JR., P.E.**  
**McCracken Engineering**

**PROFESSIONAL SKILLS: TECHNICAL**

Forty years experience with internal combustion technology.

Specialty: Motorcycles, heavy trucks and automobiles. Working knowledge in the following areas:

- Motor vehicle accident reconstruction/computer simulation and animation.
- Vehicle dynamics and suspension systems.
- Failure analysis.

**PROFESSIONAL SKILLS: ADMINISTRATIVE**

Engineer: McCracken Engineering (2012- Present)

Engineer (1988-2011); Vice President (2000 - 2011), Research Engineers, Inc., Raleigh, North Carolina.

Fifteen years management experience in retail business.

Primary responsibilities:

- Service department operations and training.
- Sales of new and used vehicles.
- Technical liaison to manufacturers and distributors.

**PATENTS**

Holder, U.S. Patents 4,708,098 and 4,789,004.

**EDUCATION**

- BSEE Duke University, 1972.
- Durham Technical Institute: Two semesters – Machine Shop Operations Training.
- Motorcycle Technical Training, 1973 to date: Twenty to twenty-five courses encompassing all phases of motorcycle operations.
- Accident Reconstruction: University of North Florida, Jacksonville, Florida.
- Heavy Truck Dynamics: University of Michigan, Ann Arbor, Michigan.
- SAE Automotive Testing for Electromagnetic Compatibility TOPTEC.
- SAE Grounding & Shielding Electronic Systems Workshop.
- SAE Commercial Vehicle Braking Systems.
- BMW Car Control Clinic.
- SAE Occupant and Vehicle Kinematics in Rollovers.
- SAE Accelerated Test Methods for Ground and Aerospace Vehicles
- SAE Fundamentals of Heavy Truck Dynamics
- SAE Hydraulic Brake Systems for Passenger Cars & Light Trucks
- SAE Accident Reconstruction
- SAE Applying Automotive EDR Data to Traffic Crash Reconstruction
- SAE Applied Vehicle Dynamics
- SAE Certified Accident Reconstruction

**PROFESSIONAL SOCIETIES**

Society of Automotive Engineers.

**REGISTRATION**

National Council of Examiners for Engineering and Surveying.

Professional Engineer: State of North Carolina, Registration No. 16364: Mechanical Engineering.

Professional Engineer: State of Alabama, State of Kentucky, State of Mississippi, State of South Carolina,