

CARR ENGINEERING, INC.

12500 CASTLEBRIDGE DRIVE HOUSTON, TX 77065-4532
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Hugh D. Mauldin

Specialized Professional Competencies

- Failure analysis and accident reconstruction for mechanical and structural systems.
- Design, design verification, manufacturing, reliability, and quality control techniques for mass produced products.
- Design and design analysis of mechanical and electro-mechanical control systems.

Professional Qualifications

- Bachelor of Science (Naval Science), U. S. Naval Academy, 1970
- Master of Science of Administration (Industrial Personnel Management), George Washington University, 1977
- Senior/Principal Engineer, Carr Engineering, Inc. – 1984 to Present
- Senior Engineer, Failure Analysis Associates – 1982-1984
- Petroleum Engineer, Amoco Production Company – 1981-1982, (Mechanical/Production Systems Design, Water Quality, Corrosion Mitigation, Spill Prevention)
- Design Engineer, Ford Motor Company – 1977-1981 (Design, Development and Manufacture of Automotive Components)
- Lieutenant, U.S. Navy, Instructor, U.S. Naval Academy – 1974-1977 (Taught in Systems Engineering and Naval Engineering Departments)
- Ensign/Lieutenant – U.S. Navy, Fire Control Officer, Shipboard Weapons Departments – 1970-1974 (Maintenance and Operation of Guided Missile and Gun Fire Control, Radar and Launching Systems)
- Member, Society of Automotive Engineers
- Member, American Society of Mechanical Engineers
- Registered Professional Engineer, State of Texas

Professional Development

- SAE International, Introduction to Brake Control Systems, ABS, TCS, & ESC, James Walker, Jr., September 10-11, 2009
- SAE International, Applied Vehicle Dynamics, James Walker, Jr., May 2-5, 2010
- SAE International, Mechatronics: Introduction, Modeling and Simulation, Shuvra Das, January 4-5, 2012
- SAE International, Applying Automotive EDR Data to Traffic Crash Reconstruction, Richard Ruth, September 4-6, 2013
- SAE International, Product Liability and the Engineer, July 24-25, 2014
- SAE International, Vehicle Crash Reconstruction Methods, Raymond M. Brach and R. Matthew Brach, June 23-24, 2015
- SAE International, Fundamentals of Modern Vehicle Transmissions, William Mark McVea, April 11-14, 2016
- SAE International, Side Impact Occupant Safety and CAE Seminar, Stephen Kang and Zhibing Deng, March 13-14, 2017
- SAE International, Introduction to Highly Automated Vehicles, Jeffery Blackburn, April 9-10, 2018
- SAE International, ADAS Application: Automatic Emergency Braking, Eldon Leaphart, April 11, 2018