

# **CARR ENGINEERING, INC.**

12500 CASTLEBRIDGE DRIVE HOUSTON, TEXAS 77065-4532

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## **HUGH D. MAULDIN**

### **Specialized Professional Competence**

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

- Engineering Dynamics: Accident Reconstruction Seminars: EDC Simulation, Terry Day, October 30-November 3, 1995
- Engineering Dynamics: Accident Reconstruction Seminars: EDC Simulation, Terry Day, January 24-30, 2000
- SAE International, Sensor & Actuator Technology: Module 1 – Power train, William Fleming, April 11, 2005
- SAE International, Sensor & Actuator Technology: Module 2 – Chassis, William Fleming, April 12-13, 2005
- SAE International, Occupant & Vehicle Kinematics in Rollovers, Dr. Chantal Parenteau & Dr. David C. Viano, April 14-15, 2005
- SAE International, Vehicle Accident Reconstruction Methods, Raymond M. Brach & R. Matthew Brach, August 24-25, 2007
- SAE International, Vehicle Frontal Crash Occupant Safety and CAE, Stephen Kang, August 25-26, 2008
- SAE International, Introduction to Brake Control Systems, ABS, TCS, & ESC, James Walker, Jr., September 10-11, 2009