

**CARR ENGINEERING, INC.**  
12500 CASTLEBRIDGE DRIVE HOUSTON, TX 77065-4532  
TELEPHONE: 281-894-8955  
FAX: 281-894-5455

**James Edward Walker, Jr.**

- Registered Professional Engineer in the state of Texas (2008)

**Specialized Professional Competencies**

- Motor vehicle crash investigation, reconstruction, and failure analysis to determine causes, conditions, and circumstances
- Specification, design, test, and evaluation of electronic control systems for motor vehicle steering, handling, and braking systems, including electronic stability control
- Specification, design, test, and evaluation of conventional motor vehicle steering, handling, and braking systems, including dynamic stability assessment
- Application/certification of Federal Motor Vehicle Safety Standards as well as associated vehicle manufacturer internal performance requirements/specifications

**Professional Experience and Qualifications**

- Bachelor of Science in Mechanical Engineering, GMI (1994)
- Powertrain System Test Engineer, AC Rochester (07/89-01/95)
- Brake Control Systems Engineer, Kelsey-Hayes (01/95-05/96)
- Brake Control Senior Design/Release Engineer, Saturn/GM (05/96-10/99)
- Brake Control Senior Application Engineer, Bosch (10/99-05/02)
- Brake Control Senior Design/Release Engineer, Ford (05/02-05/03)
- Engineering Manager of Vehicle Development, Delphi (05/03-10/06)
- Principal Engineer, Carr Engineering, Inc. (10/06 to present)

**Publications and Instructing Achievements**

- Instructor of five SAE Professional Development Seminars focusing on ABS, TCS, ESC, vehicle dynamics, and high-performance brake systems (2004 to present)
- Recipient of SAE's Forrest R. McFarland Award for contributions toward Professional Development (2005)
- Author of CarTech Books' *High-Performance Brake Systems: Design, Selection, and Installation* (2007)

**Motorsports Experience**

- Participant/Instructor in high-performance driving schools at venues for PCA, BMW CCA, SMCR, Phoenix CMR, and SpeedTrial USA (1992 to present)
- Owner/driver for scR motorsports, competing nationally in the SCCA's Showroom Stock and Improved Touring classes (1997-2003)