

**CARR ENGINEERING, INC.**  
12500 Castlebridge Drive Houston, Texas 77065-4532  
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**KARL E. STOPSCHINSKI**

**Specialized Professional Competence**

- Crash Investigation, Analysis, and Reconstruction – Forensic investigation of crashes including three-dimensional mapping of vehicle and scene data. Analysis of crash related data using a variety of methods including three-dimensional photogrammetry. Analysis using computer aided crash reconstruction and crash simulation software, vehicle crush damage, vehicle rollover damage and related evidence at the crash scene. Determination of crash forces and their effect on vehicle and occupant dynamics. Demonstrative exhibits via computer animation, CAD drawings, physical models, etc.
- Vehicle Dynamic Analysis – Analysis of driver, vehicle and environment on vehicle performance. Computer simulation of vehicle dynamics using a variety of software. Evaluation of computer simulation results. Evaluation of testing methods and test results relating to vehicle dynamics.
- Electrical and Electronic Systems Analysis – Analysis of electrical and electronic components and systems. Testing of components and systems. Automotive electronic system analysis including engine control, vehicle speed control, ABS, and Crash Data Retrieval systems.
- Testing and Instrumentation – Design and implementation of testing programs for components and systems including motor vehicles and aircraft. Data acquisition, video acquisition and sensor system design, development, customization, and utilization. Implementation of high speed digital imaging and data systems. Data analysis and interpretation of results.

**Professional Qualifications**

- Bachelor of Science (Electrical Engineering), Baylor University, 1988
- Graduate Engineer, Carr Engineering, Inc. – 1988 to Present
- Member, National Society of Professional Engineers
- Member, Society of Automotive Engineers
- Member, Institute of Electrical and Electronics Engineers, (IEEE)
- Registered Professional Engineer, State of Texas