

**Robert Kuhn, Jr., P.E.**  
**Managing Engineer**

**Professional Profile**

Mr. Robert Kuhn is a Managing Engineer in Exponent's Vehicle Engineering practice. Mr. Kuhn is highly knowledgeable in the design, development, and testing of vehicles, engines, and chassis systems for automotive, SUV, truck, and other vehicle applications. During his 19 years of industry employment, with Chrysler and Ford, Mr. Kuhn was responsible for a variety of assignments including complete vehicle development and testing, engine testing and development, chassis systems design and development, and product warranty and complaint analysis. While working at DaimlerChrysler, Mr. Kuhn also served as the supervisor of the chassis investigations group for the DaimlerChrysler Vehicle Safety Office with responsibility for all chassis related internal and external (NHTSA) safety investigations.

Since joining Exponent, Mr. Kuhn has assisted a variety of clients in both vehicle and non-vehicle related industries. These clients include automotive OEMs, component and system manufacturers, off-road vehicle manufacturers, engine manufacturers, service parts suppliers, insurance companies, and others. Mr. Kuhn utilizes his nearly 30 years of knowledge and experience to assist clients in areas including product design, performance, development, testing, and warranty claims. Mr. Kuhn also has extensive experience in computer-aided engineering and the use of analytical and statistical tools and methods for problem solving, vehicle/product system design, and vehicle/product performance evaluations. As a part of Mr. Kuhn's work with his clients, he has provided expert testimony in a number of areas and a variety of venues.

**Academic Credentials and Professional Honors**

M.S., Automotive Systems Engineering, University of Michigan, 2001  
B.S., Mechanical Engineering, Carnegie Mellon University, 1984

Accident Reconstruction, Northwestern University Traffic Institute (NWTI), 2003

**Licenses and Certifications**

Licensed Professional Engineer, Michigan, #6201035566

**Patents**

Patent 5,782,484: Short Long Arm Independent Suspension, 1998.

Patent 5,934,404: Rack & Pinion Steering System for Solid Front Axle, 1999 (with L. Delellis).

## **Publications**

Kuhn R. Effect of weld pitch variation on the performance of a two piece spot-welded body structure. SAE Paper 02M-123, Presented at SAE World Congress Detroit, MI, 2001.

## **Prior Experience**

Supervisor Vehicle Development Jeep Liberty Platform Daimler Chrysler, 2003

Supervisor Chassis Systems Investigations Daimler Chrysler, 2001–2003

Supervisor Jeep CKD Product Design Daimler Chrysler, 1998–2001

Senior Engineer Jeep Chassis Packaging Chrysler, 1995–1998

Base Engine Test and Development Ford Motor, 1992–1995

## **Consulting Experience**

Consulting design engineer assisting in the design and analysis of specialty truck equipment, race and specialty vehicles.

Testifying expert in accident reconstruction and vehicle performance related matters.

Testifying expert in Patent, IP, and basic design related matters for a variety of products both vehicle and non- vehicle related.

Testifying expert in vehicle/machine/system field performance, warranty, and lemon law matters for both on road vehicles and off highway equipment.

## **Professional Affiliations**

- Society of Automotive Engineers (member)
- American Society of Mechanical Engineers (member)