



**DESIGN  
RESEARCH  
ENGINEERING**

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**Eric Kalis, B.S.M.E., CFEI, CVFI**  
**Senior Engineering Consultant**

**Professional Specialization**

Eric Kalis has more than 35 years-experience in the automotive industry designing chassis and powertrain components along with extensive vehicle development in vehicle dynamics, powertrain, and noise, vibration, and harshness (NVH). While in the automotive industry, he has provided analysis of systems including chassis systems, vehicle engineering (durability, corrosion, payload and trailer tow capacities) and powertrain systems (diesel engines, gas engines, drivelines). He has also investigated multiple vehicle and structure fires.

**Education**

Michigan Technological University, B.S.M.E., Mechanical Engineering  
Central Michigan University, M.S.A., International Management

**Professional Experience**

Design Research Engineering, Senior Engineering Consultant, December 2022–present

**Ford Motor Company**

Design Analysis Engineer

Automotive Safety Office, 2008-November 2022

Product Development, 2006-2008

Vehicle Dynamics Supervisor, Truck–Vehicle Engineering, 2001-2006

Vehicle Engineering Supervisor, Truck–Vehicle Engineering, 2000-2001

Vehicle Development Engineer, Truck–Vehicle Engineering, Transit, 1998-2000

Vehicle Integration Engineer, Truck–Vehicle Engineering, Transit, 1996-1998

Powertrain Development Engineer, Powertrain Development, 1993-1996

**Valeo Clutches and Transmissions**

Account Manager, 1992-1993

Applications Engineer, 1990-1992

**Rockwell Automotive**

Design Engineer – Suspension Systems, 1989-1990

**Motorwheel**

Manufacturing Engineer, Ypsilanti Brake Plant, 1987-1989

Design Engineer, Commercial highway wheels, 1986-1987

**Certifications**

Accident Reconstruction, Northwestern University Center for Automotive Safety

Individual Automobile Appraiser Certification, Bureau of Certified Auto Appraisers

Certified Fire and Explosion Investigator (#26107-14781), National Association of Fire Investigators

Certified Vehicle Fire Investigator (#26107-14781V), National Association of Fire Investigators

**Professional Affiliations**

Member - Society of Automotive Engineers

Member – National Association of Fire Investigators