



**DESIGN
RESEARCH
ENGINEERING**

46475 Desoto Court
Novi, Michigan 48377
Tel: (248) 668 - 3450
Fax: (248) 668 - 3460

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

Professional Specialization

Eric Kalis has more than 35 years of experience designing chassis and powertrain components in the automotive industry and extensive vehicle development in vehicle dynamics, powertrain, and noise, vibration, and harshness (NVH). His automotive systems analyses have included chassis systems, vehicle engineering (durability, corrosion, payload and trailer tow capacities), and powertrain systems (diesel engines, gas engines, drivelines). He has also conducted vehicle and structure fire investigations.

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

Design Analysis Engineer - 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

IACP Certified Auto Appraiser, 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

Berla-Certified Vehicle System Forensics Examiner (CVSE), Operator (CVSO) and Technician (CVST)

Professional Affiliations

Member – Society of Automotive Engineers

Member – National Association of Fire Investigators