

Dolph K. Lohwasser, P.E.
Managing Engineer

Professional Profile

Mr. Dolph K. Lohwasser is a Managing Engineer in Exponent's Vehicle Engineering practice. He specializes in issues related to vehicle structural performance and the integration of structural design into overall vehicle crashworthiness. His experience includes setting vehicle crash strategies and subsystem requirements, vehicle design/development process, and vehicle and subsystem testing to meet regulatory compliance, consumer metrics, and OEM requirements. He has expertise in the design of body structures for front, side, rear, and rollover crash protection. His experience also includes the balancing of vehicle subsystem requirements between structures, restraint systems, and other vehicle subsystems. Mr. Lohwasser is also experienced in the application of computer simulation (CAE) to vehicle crashworthiness and other aspects of vehicle design and development such as handling, NVH, structural stress / fatigue, and thermal and aerodynamics.

Prior to joining Exponent, Mr. Lohwasser was employed by General Motors Corporation for 24 years in various positions relating to vehicle design/development with emphasis on CAE and testing. He was a member of the design/development team for several vehicles and was also Director of the Vehicle Simulation and Analysis Department. In his last assignment at GM, he was Director of the Safety and Crashworthiness Department responsible for the crashworthiness performance of North American passenger cars and crossover vehicles. His other professional experience includes employment with Chrysler Corporation (body structure design/development), Massey Ferguson Ltd., (product assurance testing including ROPS), and the U.S. Air Force Flight Dynamics Laboratory.

Academic Credentials and Professional Honors

M.B.A., University of Michigan, 1985
M.S., Mechanical Engineering, Wayne State University, 1978
B.S., Aerospace Engineering, University of Michigan, 1971

Licenses and Certifications

Registered Professional Engineer, Michigan, #24822

Prior Experience

Director Safety and Crashworthiness Integration, General Motors Corp., 1999–2004
Director Vehicle Systems Synthesis and Analysis, General Motors Corp., 1995–1999
Manager Vehicle Systems Synthesis and Analysis, General Motors Corp., 1985–1995
Staff Engineer Corvette Body Structure, General Motors Corp., 1980–1985
Senior Engineer Advanced Body and Safety, Chrysler Corp., 1977–1980
Product Test Engineer, Massey Ferguson Ltd., 1975–1977
Body Test Engineer – Safety, Chrysler Corp., 1973–1975
Aerospace Engineer, United States Air Force, 1971–1973

Professional Affiliations

- Society of Automotive Engineers