



Stephen G. Markley, MBA

Mechanical Engineer

Mr. Markley has a wide professional background in applying the principles of Mechanical Engineering for companies ranging from the design of Rubber-to-Metal and Fluid Mount technologies for the attenuation of noise, shock and vibration isolation to OEM Motorcycle Chassis, Suspension and Brake Systems design, Powertrain and Drivetrain systems design for Walk-Behind Lawn Mowers and the design of OEM Construction Equipment Vehicles.



smarkley@mka-stl.com



+1-314-744-4033



+1-704-860-9052



www.mka-stl.com



facebook.com/mkandassociates

PROFESSIONAL EXPERIENCE

Mechanical Engineer / Consulting Agent

MK & Associates, LLC

Provide forensic investigation and analysis services in vehicular accidents, with a specialized focus on motorcycle crash reconstruction and motorcycle stability. Applies engineering principles and field experience to evaluate crash dynamics, vehicle performance, and contributing mechanical or environmental factors.

Managing Member

ACME Auto Appraisal, LLC - Charlotte, NC

Certified by the American Society of Certified Auto Appraisers (No.: 1599618) and North Carolina Licensed Motor Vehicle Damage Appraiser (No.: 2112693).

Key Account Manager

Trelleborg Industrial Products USA, Inc.

Global business development for major OEMs across the Automotive, Off-Highway, Truck and Bus, Marine, Rail, Powersports, and Industrial sectors. Collaborate with international design, operations, and customer service teams to deliver advanced solutions in noise, shock, and vibration isolation.

Adjunct Instructor

Gaston College - Dallas, NC

Lead Motorcycle Safety Instructor managing a team of Nationally Certified Rider Coaches. Maintain a fleet of 18 motorcycles in compliance with the North Carolina Motorcycle Safety Education Program standards. Oversee training operations, vehicle maintenance, and safety protocol implementation.

Project Engineer

Husqvarna Outdoor Products, North America

Managed the implementation of new powertrain and system modules for self-propelled walk-behind lawnmowers. Developed design guidelines and established pass/fail criteria for lifecycle testing to ensure durability and performance standards.

Chassis Design Engineer

Indian Motorcycle Company - Kings Mountain, NC

Designed chassis related component parts and systems for the Indian Chief platform of motorcycle consisting of multiple model variants. Led corrective actions for development and supplier quality issues and oversaw prototype and pre-production builds.

INTERESTS

Traveling with the Family

Knights of Columbus

Community Service

Vintage Cars & Motorcycles

EDUCATION

Gardner-Webb University

*Master of Business
Administration*

North Carolina Justice Academy

*Investigation & Analysis of Tire
Failures
Motorcycle Crash Investigation*

Caldwell Community College

*Motorcycle Safety Foundation Rider
Coach (Certification № 159484)*

University of Tennessee

*Lean Manufacturing and Six-Sigma
Black Belt*

Behrend College of Penn State University

*Bachelor of Science, Mechanical
Engineering Technology
Associate of Science, Engineering
Technology*

SOFTWARE

CAD: Pro/Engineer Wildfire, Auto-CAD
Inventor, Solid Edge, Solid Works, and
Catia

ERP/MRP: Dynamics 365, SAP, AS400,
Infor M3, and Movex

General: Microsoft 365 applications

Senior Design Engineer

Parker | LORD Corporation

Designed and validated rubber-to-metal components for noise, shock, and vibration isolation across automotive, off-highway, rail, marine, and industrial markets. Conducted field testing and data acquisition for system validation, performed rigid-body and modal analyses using proprietary software, and specified lab test criteria for benchmarking and fatigue testing. Later served as engineering liaison for global manufacturing teams, leading complexity reduction initiatives and strategic part sourcing.

Senior Designer

Volvo Construction Equipment, Inc., North America

Designed Roll Over Protection Safety - compliant Vibratory Soil Compactor cabins with a focus on enhancing operator comfort and increasing part commonality between multiple machine product families. Specified vibration isolation mounts for the Vibratory Drum Systems in collaboration with suppliers. Completed Lean Manufacturing and Six Sigma training through the University of Tennessee in coordination with the Volvo Group.

Aviation Ordnanceman

U.S. Navy - E5 (*Enlisted Aviation Warfare Specialist*)

Served as an Aviation Ordnanceman in the U.S. Navy with leadership roles aboard aircraft carriers during Operations Southern Watch and Restore Hope. Supervised ordnance assembly, inspection, and at-sea loading operations, and led maintenance programs for F-14A armament systems. Earned distinction as an Enlisted Aviation Warfare Specialist. Honorably discharged from active duty at the rank of Petty Officer Second-Class (E-5).