



## John Fehring

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Engineering Consulting for the Automotive and Transportation Industries. Expertise in full vehicle and systems integration, semi-active ride controls, chassis and suspension design, and heavy duty truck design.

- Executive consultant for Lioho Machine Works, an automotive systems and components supplier in Taiwan. Established 1<sup>st</sup> contact meetings with major truck OEMs.
- Advisory board member for Levant Power in Boston, creator of GenShock, the world's first affordable high band width active suspension system. Researching active ride controls for the commercial truck industry.
- Advisory board member for AirFlow Truck Company in Newington Connecticut, the world's most fuel efficient class 8 tractor and trailer. Established major truck industry suppliers as interested parties in new future truck project.
- Program manager on 6x2 tandem axle project for NACFE-North American Council on Freight Efficiency. Researched benefits and concerns with the emerging 6x2 drive axle technologies and their impact on truck fuel economy. Co-authored comprehensive confidence report for fleets in the industry.

Motorsports and Performance Automotive Aftermarket product development in chassis and suspension systems, shock designs, tuning and integration expert.

### EDUCATION

- **MS**, Mechanical Engineering, University of Michigan, Ann Arbor, MI
  - Focus: Mechanical Design and Optimization, and Vehicle Dynamics, GPA 7.75 / 9.0 (A)
  - Attended under a General Motors Fellowship
- **BS**, Mechanical Engineering, Purdue University, West Lafayette, IN
  - GPA 5.88 / 6.0, graduating with Highest Distinction
  - Completed on a General Motors Scholarship
  - Senior Designed Project: Independently suspended go kart for the Purdue Grand Prix, won Best Engineered award

### ACCOMPLISHMENTS

- Eight US Patents and 2 Defensive Publications
  - Slidably adjustable 5<sup>th</sup> wheel hitch assembly and control system, # 8,333,399, 12/18/2012
  - Suspension mounting crossmember with integrated dab mounts, # 7,717,441, 5/18/07
  - Magnetorheological fluid damper tunable for smooth transitions, #6,318,519, 11/20/2001
  - Magnetorheological fluid damper, #6,311,810, 11/6/2001
  - Suspension damper with self-aligning rebound cut-off, #6,209,691, 4/3/2001
  - Roll stabilizer for motor vehicle, #6,022,030, 2/8/2000
  - Damper and electrical connection system, # 6,007,345, 12/28/1999
  - Latchable stabilizer bar actuator, #5,749,596, 5/12/98
- Commercial Driver's License

### ACTIVITIES

- Board Member and Adult Sunday School Teacher, Cornerstone Wesleyan Church
- Founder, Industrial Advisory Committee to Purdue's Baja SAE Baja Teams, 2005 to Present
- Officiated the SAE Mid-West Mini Baja competitions in Troy, OH, 1989 – 2003
- SAE Member
- TMC Associate Member as a truck OEM
- SCCA-Sports Car Club of America Member, Fort Wayne Region, Tech Inspection Chief