

Scott Ahlman

29 Years of High-Performance Vehicle Dynamics, System Architecture & System Engineering



- B.S. Mechanical Engineering, ***University of Wisconsin-Madison***
 - Co-Captain SAE Formula Car
 - 1993 FSAE Detroit World Championship – 5th place in the Dynamic Events and 11th Overall



- M.S. System Design and Management, ***Massachusetts Institute of Technology (MIT)***
 - System Architecture, System Engineering and Business Management focused
 - Thesis - System Architecture definition methodology applied to the 2005 Ford GT supercar

- **Roush Fenway Racing and Richard Petty Motorsports (RPM) NASCAR Sprint Cup – 6 Seasons**
 - **Lead Vehicle Dynamics Engineer and Offensive Coordinator**
 - Originated, developed and led the weekly Playbook for the teams' race car setups. We applied our vehicle dynamics modeling and analyses we developed.
 - (2) of (4) supporting Vehicle Dynamics Engineers from UW-Madison 2007 FSAE World Champions
 - **Received the 2007 “Jack Award”** (Jack Roush) – Roush Fenway Racing’s Team MVP
 - **In six seasons we achieved:**
 - (2) 2nd Places in the Championship (Carl Edwards)
 - (35) Wins
 - (11) in 2008 – (9) by Edwards
 - (4) of (7) road course races in two seasons – the only (2) Cup wins for Richard Petty Motorsports in their history
 - (178) Top Fives
 - **Drivers Included:**
 - Carl Edwards
 - Matt Kenseth
 - Jamie McMurray
 - Marcos Ambrose
 - Greg Biffle



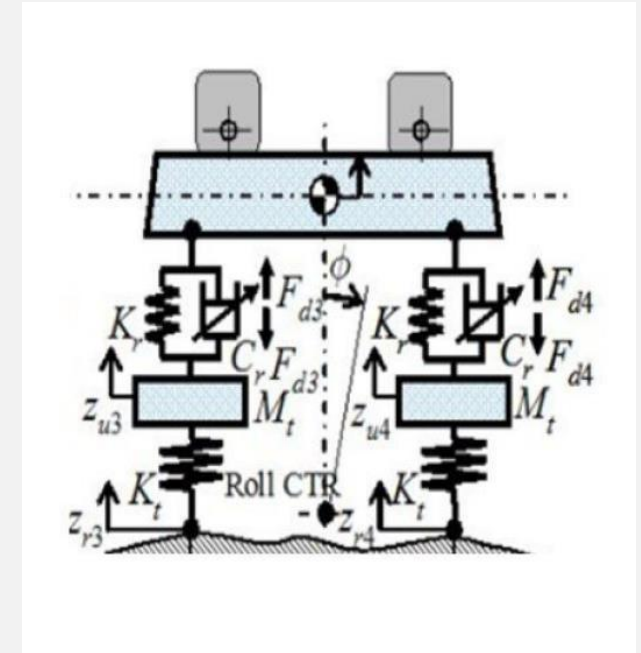
The 2005-2006 Ford GT

- **Co-led** the Chassis System Architecture, Chassis Integration and Chassis Design Engineering from start to finish
- **Led** the System Engineering and Vehicle Dynamics
- Ride and Handling Development Engineering- including driving 200 mph through the banking



- Chassis Engineering for M2K Motorsports
World Record Street Legal 2500 HP 2005
Ford GT **Standing Mile of 300.4 mph**

- **Ahlman Engineering President and Chief Engineer**
 - Ahlman Engineering led Honda Racing IndyCar Chassis/Vehicle Dynamics Modeling Architecture, Development and Application
 - (8) Ahlman Engineering Vehicle Dynamics and Software Engineers
 - Physics for Honda Racing's DIL Simulator for over 4 Seasons
 - Scott Ahlman led vehicle dynamics/car setup for the 2015 Honda Test Team with Andretti Autosport and Justin Wilson for three races
 - 2nd Place at Mid-Ohio in their 3rd race together
- Ahlman Engineering contributed to **Multiple Indy500 Wins and Race Podiums**
- **Drivers Supported Included:**
 - Justin Wilson
 - Ryan Hunter Reay
 - Alexander Rossi
 - Graham Rahal
 - James Hinchcliffe
 - Marco Andretti



- ***Ford Racing Resident Vehicle Dynamics Engineer for Team Rahal in CART – 5 Seasons***

- Lead Vehicle Dynamics Engineer
 - Developed and applied Ford Racing vehicle dynamics modeling to improve our race cars
- In five seasons we achieved:
 - (1) 2nd Place in the Championship (Kenny Brack)
 - (9) Wins
- **Drivers:**
 - Bobby Rahal
 - Bryan Herta
 - Max Papis
 - Kenny Brack



- **Led the Chassis and Driveline System Architecture and Chassis Integration**
 - Achieved 54% rear weight with this big front engine high-performance build
 - Specified the torque tube driveline architecture with the transmission at the rear
 - Bespoke chassis design and build with pushrod inboard suspension mated to our custom designed Ohlins TTX Coil-Overs
- **The Ringbrothers' ENYO won the 2022 SEMA Battle of the Builders**

