



## November Monthly Meeting – David McLellan

*Adventure Science Center, November 13<sup>th</sup>*

*By Kevin Line*

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**In November we will be featuring David McLellan with his presentation titled: “Can We As Engineers Learn from Ferrari’s Winning Ways in Formula One?”**

Remarks are based on a recent “narrow aisle” tour of the Ferrari F-1 operation in Maranello, Italy. The “clock speed” for major engineering innovation in F-1 is the yearly design cycle. The minor cycle is the time between races. In these cycles, design innovations have to be conceived, executed, and tested. These are much shorter cycles than we’re used to in the development of automobiles but ones that are now possible with computer modeling, manufacturing, and the choice of the right kinds of testing regimens.

**Please come out to our monthly meeting for this unique presentation**

Please see *November Event* on page 2

## Chairman’s Comments

*By Doug Fleenor*

We’re excited to have David McLellan join us for the next meeting. David brings a unique incite to high performance design, and design for manufacturability. Come and join us for an educational evening with David. For those who missed Dr. Wilson last week, you will have more opportunities to help with the Baja program and see the cars in action during the design competition. If you are interested in helping create the course you should contact Carlton Kinslow. There will be some amazing track design to really test the vehicle dynamics this year.

*November Event, from page 1*

### **David's Bio**

Dave joined General Motors Proving Ground Noise and Vibration Lab after graduating from Wayne State University as a mechanical engineer. His assignments had him working on the dynamics of cars, trucks and military tanks, then as manager of the newly-completed Vehicle Dynamics Test Area (Black Lake).

He was assigned to work with Zora Arkus-Duntov and on Zora's retirement in 1975, appointed Corvette Chief Engineer. Dave would be indelibly linked with the Corvette for the next 17 years. The all-new 1984 Corvette continued to be developed with advanced electronics, and culminated in the 375 hp ZR-1.

In what turned out to be his last development of the Corvette, Dave challenged an R&D team to design a next generation Corvette capable of ZR-1 performance but at standard Corvette prices. Charged with the impossible task of making the Corvette faster, lighter, roomier and more rigid as a convertible, the team adopted the backbone architecture that would be the hallmark of the C5. Dave retired from General Motors in the fall of 1992.

His recent consultant activity includes: Intermap Technologies, Lockheed Martin, Georgia Tech Research Institute, Mosler Automotive, Stewart & Stevenson, TACOM, ERIM, Rosen Motors, Tel Tech, Bose, Intermap Technologies, Technologies M4 and Porsche Engineering Services.

He is the author of a recent book, "Corvette from the Inside, the 50 Year Development History" which includes the 17 years during which he and his team made history.

Dave is a recipient of the SAE Edward N. Cole Award for Automotive Engineering Innovation.



Dave McLellan, Former  
Chief Engineer of Corvette

**DAVID  
MCCLELLAN  
SPENT 17 YEARS  
WITH CORVETTE  
OVERSEEING  
SOME THE  
HIGHEST  
PERFORMANCE  
CARS EVER BUILT.  
HE WILL SPEND  
THE EVENING  
WITH US  
DISCUSSING THE  
HIGH PACE  
DESIGN  
ENVIRONMENT OF  
FERRARI.**

***Event Details: We will have a catered dinner served at the event***

***Date:*** Tuesday, November 13<sup>th</sup>, 2007  
7:00 P.M.

***Pricing: Prepay required***

Student \$10, Member \$15, Non-Member \$20  
See [www.midsouthsae.org](http://www.midsouthsae.org)

***Place:*** Adventure Science Center, Skyline Room  
800 Fort Negley Blvd.  
Nashville TN 37203  
<http://www.adventuresci.com/>

***RSVP:*** By November 7<sup>th</sup>  
to Kevin Line  
[kevinline@yahoo.com](mailto:kevinline@yahoo.com)

## CALENDAR OF EVENTS

**NOVEMBER 13<sup>TH</sup>**      **MONTHLY MEETING**  
**LOC: ADVENTURE SCIENCE CENTER**  
**KEYNOTE: DAVID McLELLAN,**  
**FORMER CORVETTE CHIEF ENGINEER**

**DECEMBER 11<sup>TH</sup>**      **MONTHLY MEETING**  
**DETAILS FORTHCOMING**

## Advertise with us!

For SAE's monthly meeting and speaker series, we are looking for sponsors to help offset some of the meeting costs. These meeting will include several notable speakers from around the community and from SAE International. We expect to have anywhere from 30 to 90 engineers from local universities and industry. We are looking for corporate sponsors for these events by offering companies a chance to present and discuss their products and services during the meeting. If interested, please contact SAE Vice-Chair, Kevin Line at 615-838-9217 or [handykev@gmail.com](mailto:handykev@gmail.com) for more details. SAE is also offering advertising space in the monthly newsletter.



## Mid-South Board Members

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Kevin Line, VEXTEC

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### MID-SOUTH VISION STATEMENT

*The Mid-South Section will be the local leader to industry in promoting the advancement of the mobility community and will fulfill a mentorship role with the student members to develop future leaders.*

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