SAE DETROIT SECTION

Model-Based Systems Engineering
TECH-FAST
(Technical Session and Breakfast)

Tuesday, March 26, 2013

Agenda
7:30 - 8:00 a.m.
Networking Breakfast
8:00 - 9:30 a.m.
Presentations and Q&A

Cost
$30 **SAE Member**
$45 **Non-member**
$15 **SAE Student Member**

Location
San Marino Club
1685 E. Big Beaver Rd., Troy

Order tickets online at www.sae-detroit.org

What do the EPA's 54 mpg fuel efficiency requirement for 2025, infotainment, active safety and vehicle-to-vehicle communication have in common? Each application area contains highly interactive and modular embedded electronic and mechanical components requiring a multidisciplinary, systems engineering approach for new product development. Model-Based Systems Engineering, or MBSE, takes the popular Model-Based Design (MBD) philosophy into a more holistic, strategically planned product design and validation direction.

The Model-Based Systems Engineering Tech-Fast will include a discussion on System Level Design and Validation Trends by a panel of leading executives from automotive and aerospace companies responsible for system level vehicle development.

Panelists
Larry Michaels, Principal Vehicle Systems Engineer
Argonne National Laboratory
Tony Phillips, Senior Technical Leader, Vehicle Controls
Ford Motor Company
William Tecos, Electronic Subsystem Design & Integration Manager General Dynamics Land Systems

Moderator
Keith Lang, Engineering Manager Advanced Transmission Algorithm and Integration Group, General Motors