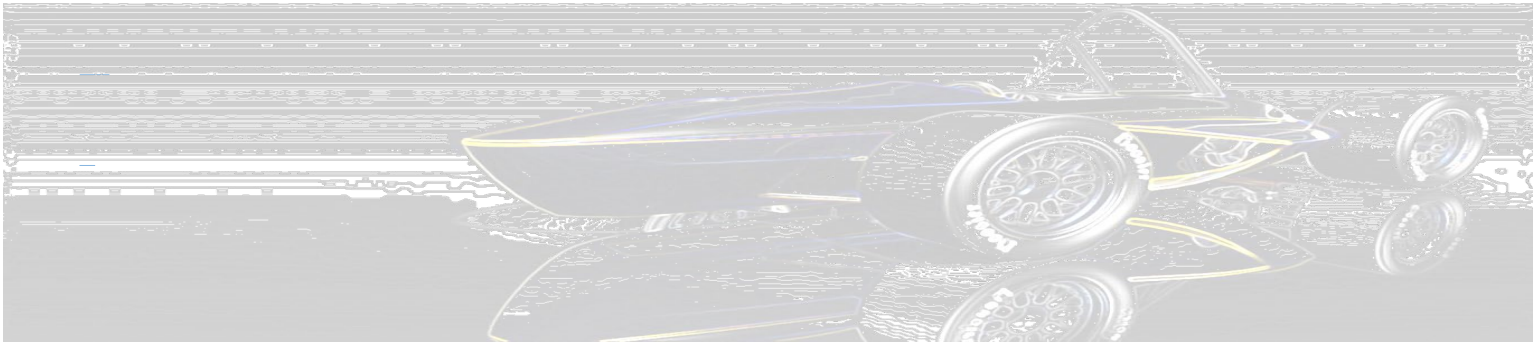
SAE DETROIT
An SAE International Section

Formula SAE® Workshop

Saturday, February 15, 2020

Start time	Duration	Morning Session Presentations	Speaker
7:30AM	45 min	**Registration and continental breakfast**	
8:15	15 min	**Welcome** *Workshop Overview, Sponsor Introductions*	Alba Colon, Hendrick Motorsports
8:30	30 min	**Getting to and at the Competition**	Kriistina Vujic, General Motors
9:00	30 min	**Team Organization**	Adam Niner, General Motors
9:30	45 min	**Change Management**	Maura Chmielowiec & Missy Chmielowiec General Motors
10:15	15 min	**Networking Break**	
10:30	30 min	**Dynamic Event Planning**	Laura Wontrop Klauser, General Motors
11:00	30 min	**The Presentation Event**	Adam Zenke, Launch Michigan
11:30	30 min	**The Cost Event & Cost Report**	Kristina Vujic, General Motors & Richard LePage, Ford Motior Company
12.00 pm	15 min	**General Q & A**	All morning presenters
12.15 pm	45 mins	**Select Breakout Session, Lunch and Network with Sponsors and Teams**	



2020 Spring FSAE Workshop - Afternoon Breakout Sessions

	Main Auditorium			
1:00 PM	**1.15 - 2.15 p.m.** **Sponsor #1**	**1.15 - 2.15 p.m.** **Sponsor #2**	**1.15 - 2.15 p.m.** **Sponsor #3**	**1.15 - 2.15 p.m.** **Sponsor #4**
2:00-2:15 pm	**15 MINUTE BREAK**			
2:15-3:15 p.m.	**2.30-3.30 pm** **Suspension Development** Darrell Hancock, Fiat Chrysler Automobiles The who, what, where, when, why and how of developing a vehicle. An overview of the development of the physical vehicle focusing on testing, tuning and development of suspension and steering systems.	**2.30-3.30 pm.** **Getting Through Mechanical Technical Inspection** Michael Royce, Albion Associates LLC Will give the team members some tips on how to make getting through Mechanical Tech Inspection at both Formula SAE and Formula Hybrid a little less painful. It will cover some of the items that teams frequently overlook and trip them up.	**2.30-3.30 pm.** **Data Acquisition** Frank Whiton, GM Retired A review of the application of data acquisition to vehicle testing, its validation, instrumentation including sensors, and data analysis	**2.30-3.30 pm** **Modeling and Validation of Electric Powertrains for FSAE Electric and Formula Hybrid,** **Joseph** Saginaw, University of Michigan, Ann Arbor The focus of the session will be battery pack sizing, cell selection, powertrain architecture, and powertrain/energy management strategies for the different events. While much of the measured data comes from FSAE Electric competitions, the presentation will be sufficiently general to make everything applicable to the hybrid competition as well.
3:15 - 3:30 p.m.	**15 MINUTE BREAK**			
3:30 - 4:30 p.m.	**3:45 - 4:45 p.m.** **Damper Tuning** Darrell Hancock, Fiat Chrysler Automobiles	**3:45 - 4:45 p.m.** **Three View Drawings** Brandon Horsch, Pratt & Miller Engineering A look at best practices for creating successful vehicle drawings and standing out from the competition. Teams are encouraged to bring samples of past drawings to discuss in person.	**3.45-4.45 pm** **Driving Techniques,** Marcus Merideth, Detroit Region, SCCA	
4.30 pm	**Workshop Adjourned**			

For additional information go to: www.sae.org/attend/student-events, and www.sae-detroit.org

Space for Notes:

Speakers and times subject to change