

The Ohio State University Center for Automotive Research Membership Consortium

Providing a unique opportunity for industry to engage in original, highly leveraged precompetitive research in automotive and transportation systems, with a focus on advanced propulsion systems; fuel economy; vehicle safety, connectivity and autonomy; and advanced driver assistance systems.

About the Consortium Membership

In addition to the networking and student engagement benefits available at all levels, Consortium Membership at the Platinum and Gold levels center around research.

The program provides a platform allowing industry, academic researchers and students to come together and pool their resources to focus on automotive innovations in a pre-competitive environment.

The program encourages young faculty to engage the automotive industry and serves as a seed grant to launch future collaborative work.



Students are at the center of the program. The vast majority of the membership fees directly support incoming graduate students that will be engaged in the membership research projects which in turn increases the production of graduates who meet the stringent requirements of today's automotive industry.

Sample Projects

- Cooperative Collision Free Path Planning and Collision Avoidance for Autonomous Driving
- Distance Based Optimization Algorithm for Implementation in Mild Hybrid Vehicle
- Model-based Approach to Automatic Transmission Estimation and Control and Integrated Powertrain Control
- Driver-in-the-Loop Simulator for Vehicle Dynamics Research
- Beyond PKI: Enhanced Cybersecurity via MIMO
- Integrated, Optimized and Robust Nonlinear Energy Harvesting Solutions for Self-Powered System Condition Monitoring Sensors
- Engineering Energy Storage: High-Voltage Cathode – Solid Electrolyte Interfaces
- Mitigating Battery Aging in Ride Sharing and Connected Electric Vehicle Applications

For more information contact David Cooke at cooke.76@osu.edu or David Emerling at emerling.4@osu.edu or visit car.osu.edu.

Member Benefits	Silver \$10,000	Gold \$30,000	Platinum \$50,000
Showcase/feature members in CAR marketing materials	X	X	X
Invitation to Bi-Annual Executive Advisory Board Meetings	X	X	X
Membership sponsored exploratory reporting meetings and access to results and presentations		X	X
Opportunity to present technical seminars at CAR	X	X	X
Opportunity to recruit CAR students through resume access, information sessions and meet and greet events	X	X	X
Distance education benefits (Pre-recorded seminar library)		\$5,000 value	\$10,000 value
Corporate mentorship for graduate students		X	X
Input on project selection for exploratory research projects		X	
Direct project selection for exploratory research projects			X
Consultant time with faculty and senior research staff		X	X
10% Discount on Testing Services		\$5,000 value	\$10,000 value

2017 Consortium Members

Platinum



Gold



Silver

