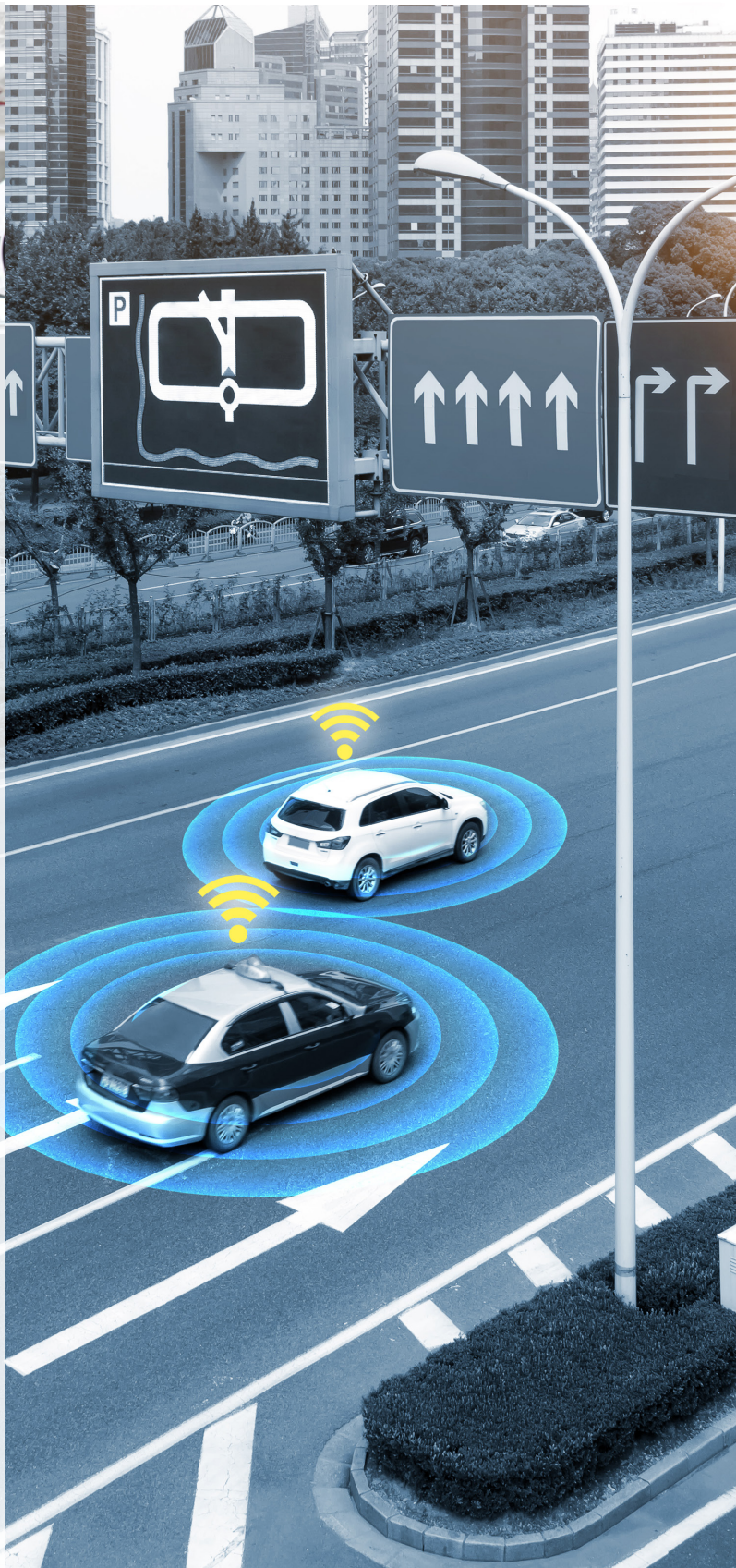


ECO CAR

MOBILITY CHALLENGE



ABOUT ECO CAR

The EcoCAR Mobility Challenge is the latest U.S. Department of Energy (DOE) Advanced Vehicle Technology Competition (AVTC) series. The four-year competition will challenge 11 North American universities to re-engineer a 2019 Chevrolet Blazer to incorporate advanced propulsion systems, electrification and connected and automated vehicle technology that will improve the energy efficiency, safety and consumer appeal of vehicles.

Headline sponsored by DOE, General Motors (GM) and MathWorks, and managed by Argonne National Laboratory, EcoCAR is the heart of automotive ingenuity working towards future mobility solutions.

Mobility is rapidly changing as customers look for safe, convenient and cost-effective options to get from point A to point B. Consumers are looking toward innovative mobility solutions, featuring new connected and automated vehicle technologies that hold the promise of transforming mobility. The students are in the driver's seat - EcoCAR provides a real-world training ground for students to gain hands-on experience while following a multi-year vehicle development process to design, integrate and refine vehicles into reliable, energy-efficient mobility systems.

U.S. DEPARTMENT OF
ENERGY

 **MathWorks**



WHY IT'S IMPORTANT

More than 1,000 students from across North America will participate each year, gaining real-world experience solving complex engineering challenges as well as building teamwork and leadership skills they will take with them into their future careers.

AVTCs, such as the EcoCAR Mobility Challenge, influence and shape engineering curriculum at the university level to cultivate future transportation leaders and enhance the North American engineering workforce.

In addition, EcoCAR teams will use Model-Based Design, a mathematical and visual design approach using MATLAB and Simulink already widely adopted by the automotive industry.

PARTICIPATING SCHOOLS

- Embry-Riddle Aeronautical University
Georgia Institute of Technology
McMaster University
Mississippi State University
Ohio State University
University of Alabama
University of Tennessee, Knoxville
University of Washington
University of Waterloo
Virginia Tech
West Virginia University

AVTC HISTORY

Over the past 30 years, the U.S. Department of Energy has sponsored 12 AVTCs in partnership with the North American auto industry.



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