



The University of Akron

College of Engineering

Challenge X Team

Sponsor Information



Challenge X: The Competition

www.challengex.org

Headline Sponsors



The University of Akron

Challenge X
The University of Akron
Akron, OH 44325-3904

Phone: 330-972-8587
Fax: 330-972-6487
E-mail: challengex_ua@yahoo.com

Website: www.challengex.uakron.edu

The University of Akron is doing very well in the prestigious Challenge X competition, and invites your company to be affiliated with it by supporting UA as a sponsor. Not only will your company gain positive publicity through sponsorship, but you'll also identify some of the region's brightest, most innovative young engineers as potential employees.

Challenge X: Crossover to Sustainable Mobility is a unique three-year student design competition that brings together partners in academia, industry, and government agencies to address energy and environmental issues in the automotive industry. More than 30 companies and agencies have joined with the U.S. Department of Energy (DOE), General Motors Corporation (GM), and Argonne National Labs (ANL) to sponsor this program by providing financial and in-kind support to participating universities.

The University of Akron is one of seventeen universities from across North America challenged to re-engineer a stock Chevrolet Equinox to improve its fuel economy and lower its emissions without sacrificing the vehicle's performance.

The first year of the competition focused on researching and evaluating advanced automotive technologies through the use of computer-based math modeling tools. During the second and third years of the competition, teams continued the modeling and testing process and started integrating their powertrain and subsystems into their Equinox. At the end of each year, teams come together and compete in technical and non-technical evaluations.

The University of Akron has proven to be very competitive in the first two years of the Challenge X competition. Akron won several awards, including a second-place overall in the first year of the competition, and followed that by dazzling the judges with their uniqueness in design in the second year.





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The University of Akron Zips

Akron Challenge X Teams

Student Leaders

Joe Bisbing

Undergraduate M.E. (Junior)

**Electrical Systems
-Integration**

Power Electronics

jhb10@uakron.edu

Rob Paciotti

Graduate M.E.

**Powertrain
Emissions**

rnp1@uakron.edu

Nathan Picot

Graduate E.E.

**Controls
Vehicle Modeling
Vehicle Simulation**

nmp0098@hotmail.com

Mike Roblin

Graduate M.E.

**Powertrain
Vehicle Dynamics**

roblinz28@sbcglobal.net

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The University of Akron College of Engineering is very excited about the Challenge X program and its involvement with students. Challenge X has created an opportunity for undergraduate and graduate students from the Mechanical, Electrical, and Computer Engineering Departments and a few business students to work together on hands-on engineering applications and innovative research.

The students' hard work during the first two years of competition has paid off. The first years second place finish was accompanied by additional awards amounting to \$10,500. The UA students' understanding and demonstration of a potential solution to improve fuel efficiency and lower emissions not only earned the team prize money, but The University of Akron also was awarded a brand new Chevy Equinox to implement their design.

Akron Challenge X Faculty Advisors

Lead Faculty Advisor

Dr. Iqbal Husain, Dept. Electrical Eng.
ihusain@uakron.edu

Electrical Engineering

Dr. Alex De Abreu-Garcia
alexis4@uakron.edu

Dr. Robert Veillette
veillette@uakron.edu

Dr. Joan Carletta
carlett@uakron.edu

Mechanical Engineering

Dr. Richard Gross
rgross@uakron.edu

Dr. Jerry Drummond
drummon@uakron.edu

The Zips Challenge X Team is continuing the success of Akron's student design teams and hope to establish the hybrid vehicle design team as a permanent option on the long list of undergraduate and graduate opportunities at The University of Akron.

Challenge X has raised the bar on previous competitions with expanded use of math-based modeling and simulation, elevated sponsor participation, and also the non-technical components to the competition. Students at Akron are involved in outreach activities ranging from media coverage and Web_site development to K-12 outreach.





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Sponsor Benefits

Cash or In-Kind Contributions for Local Team Sponsors	
Any	Website Promotion Special Team Thank You
\$1,000 +	*Company Logo on vehicle
\$5,000 +	Sponsorship Appreciation Night
\$10,000 +	†Promotional use of the vehicle

All donations (cash or in-kind) are 100% tax deductible. Contact Akron's Challenge X Business Team for more information.

*Subject to Competition Regulations

†Subject to Availability

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Although the goals of Challenge X address important energy and environmental issues as they pertain to the transportation industry, these issues affect us all. In addition to the obvious gains from these competitions, benefits of Challenge X abound not only for the participating students and universities, but also for the industry and agency partners at both the competition level and the local level.

Benefits to Sponsors

Many companies and agencies partner with universities on research, either with new technology or innovative uses for current technology. Throughout the Challenge X competition, students will do their own research along these same lines.

Challenge X is an elite competition with participation from industry leaders across North America. Local team sponsors also have the ability to gain national exposure. The competition organizers have engaged the services of Strat@comm, a public relations firm.

Through participation in Challenge X, the Zips will promote The University of Akron as well as Northeast Ohio and the team's partners. Local sponsors have the opportunity for exposure through the media, company logo's being placed on our Equinox (subject to competition regulations), and even promotional use of the vehicle. All sponsors are recognized on the Zips Challenge X website.

Additional Benefits

Companies are continually looking for innovative thinkers to join their team. Challenge X is helping to create more valuable engineers, requiring them to think through difficult situations and providing them with valuable communication and technical skill sets.

For any questions or additional information, please feel free to contact Dr. Iqbal Husain at ihusain@uakron.edu

