Lawrence Technological University

Founded in 1932 on the site where Henry
Ford perfected the moving assembly line,
Lawrence Technological University offers over
100 undergraduate, master's, and doctoral
programs in Colleges of Architecture and
Design, Arts and Sciences, Business and
Information Technology, and Engineering.
With a focus on leadership through theory
and practice, LTU seeks to help students
understand how something works both in the
classroom as well as in real-life situations.

Many of the University's programs encourage students to participate in professional projects in which they solve real problems facing practicing architects, engineers, managers, and scientists. Through co-ops, part-time work, internships, student projects, and participation in professional organizations, students network with leaders in their chosen fields.

This approach gives Lawrence Tech students a competitive edge:



Among U.S. colleges and universities for boosting graduates' earning potential – *Brookings Institution*



Highest graduate **starting salaries** among U.S. colleges and universities *–PayScale*



Students **employed** or registered for grad school at commencement – greater than the national average



Lawrence Technological University

SUPER MILEAGE®

CONTACT INFORMATION

TEAM CAPTAINS

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TEAM MEMBERS

Riley Alexander Eisa Almutairi Alex Braeseker Jake Francis Joe Mitrzyk Robert Rose Jake Rajewski Katelyn Seger Nathan Stepherson

WWW.LTU.EDU/SUPERMILEAGE

LTU BDM SUPERMILEAGE



LTU SAE SUPERMILEAGE

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LTU SAE SUPERMILEAGE

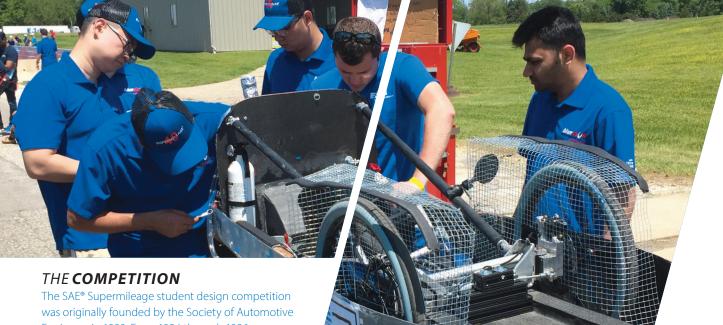




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The SAE® Supermileage student design competition was originally founded by the Society of Automotive Engineers in 1980. From 1984 through 1996, Supermileage was organized as two competitions, Supermileage and West Coast Supermileage. Beginning in 1997, the event became a single combined competition, which continues to be organized annually.

This event takes place in June every year at Eaton Corporation's Proving Ground in Marshall, Michigan. Numerous universities and colleges from around the world take part in the annual competition created to demonstrate the potential of fuel efficiency design and its benefit to society.

When possible, LTU Supermileage also takes part in the Shell Eco-Marathon competition, which rotates between various locations in the U.S. The event inspires young engineers to push the boundaries of fuel efficiency and sparks debate about the future of transportation.

The SAE® Supermileage competition provides students with a challenging design project that involves the development and construction of a single-person, fuel-efficient vehicle. The vehicles run on a specified course. The winning vehicle is the one that obtains the highest miles per gallon rating plus design segment points. The car must also be reliable and easy to maintain. The competition promotes clever problem solving, provides great opportunities to express creativity and imagination, and encourages teamwork.

THE **TEAM**

After a 13-year hiatus, Lawrence Tech's Supermileage team was reestablished in September 2014.

The 2021 team has 11 undergraduate members as well as undergraduate and graduate volunteers. The team is focused on designing, fabricating, and assembling a single-person vehicle to attain the highest MPG possible and compete in Marshall, Michigan in June 2021. Being a part of the team also provides students many opportunities to network with alumni and industry leaders. The team gains valuable, practical, real-world experience and knowledge in this rigorous, year-long effort. The 2019 LTU Supermileage team achieved second place in Design Report and placed ninth overall. Due to the COVID-19 pandemic, in-person events were canceled and the 2020 team competed in a virtual event.

PERFORMANCE **HIGHLIGHTS**

Newcomer Award 2018 | 2018 | 2019 | 2018 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2019 | 2

DONOR INVOLVEMENT

Lawrence Tech's SAE® Supermileage team would not be possible without the generous support of donors and sponsors.

The team has set a fund-raising goal of \$10,000 to purchase the materials needed to design, build, and test their vehicle. Individual and company contributions can take the form of money, equipment, or materials. Industry-leading equipment is essential for keeping the Supermileage team competitive.

The 2021 team hopes to purchase foundational equipment, including:

- Vinyl wrapping services
- · Lightweight steering and braking components
- · Powertrain materials
- Engine dynamometer and tuning supplies
- Fabrication assembly tools
- · Testing and validating equipment

DONOR BENEFITS

Most donations are 100 percent tax deductible and directly support Lawrence Tech's Blue Devil Motorsports teams.

Supporting LTU's Supermileage team gives sponsors valuable promotional opportunities. Donor names are displayed on the vehicle and in the team's printed materials and press releases. Company sponsorship provides exposure to the automotive and racing industries and promotes your business to the general public and future engineers and designers. Donors can also receive feedback on the performance of their products under racing conditions. Upon request, the team can display the vehicle at donors' places of business or at special events.

