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# Autonomous Tiger Racing





# ABOUT THE INDY AUTONOMOUS CHALLENGE



The Autonomous Tiger Racing Team from Auburn University joined the Indy Autonomous Challenge as an inaugural member in 2020. Throughout 2020 and 2021, the team worked tirelessly to develop AV technologies suitable for a fully-autonomous race at Indianapolis Motor Speedway.

In 2021, ATR made history as the first team to run their car autonomously on a racetrack at Lucas Oil Motor Speedway, and the team went on to compete in the first Indy Autonomous Challenge on October 23, 2021.

In January 2022, ATR was the only team representing the United States that progressed to the competition finals at the Indy Autonomous Challenge at CES in Las Vegas, NV.



# THE TEAM



The Autonomous Tiger Racing Team is comprised of Ph.D., M.S. and B.S. students from across the Samuel Ginn College of Engineering at Auburn University.

Team members learn skills in

- high-speed vehicle dynamics
- perception-based navigation (LiDAR, cameras, etc.)
- Localization and Estimation Engineering
- V2V and V2X Communication and Networking
- simulation environments

**David Bevly, Ph.D.**  
Faculty Advisor

**Scott Martin, Ph.D.**  
Faculty Advisor

**Stephanie Meyer**  
Team Lead

**Kelly Bates**  
Project and Administrative  
Support





# THE GOALS



While the team was founded to participate in the Indy Autonomous Challenge, the competitions are just one of many aspects of Autonomous Tiger Racing.

With autonomous technology becoming more prevalent by the day, the students participating are utilizing the racecar to further the research already being done at Auburn University.

ATR is the only student organization actively researching autonomous vehicle controls and dynamics at speeds as high as the Dalerra AV-21 racecar will reach.

By supporting ATR, you are supporting students' innovative and novel research efforts, many of which have already been submitted for publication.





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# OPPORTUNITIES FOR PARTNERSHIP



The Autonomous Tiger Racing team is the first of its kind, and your support would allow for the team to continue making history, both competitively and through independent research efforts.

As a partner of ours, your company's logo will be proudly featured on our racecar, apparel, or website. Other benefits of support include local and regional advertising, professional event attendance, streamlined recruiting, networking opportunities, and tax benefits.

## **For Partnership Inquiries, contact:**

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## **Find us online at:**

[eng.auburn.edu/sites/gavlab/indy-autonomous-challenge.html](http://eng.auburn.edu/sites/gavlab/indy-autonomous-challenge.html)