



# Oakland Robotics Association

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2020 Prospectus



## What is Oakland Robotics Association (ORA)?

We are an organization of about 30 undergraduate students from Oakland University's School of Engineering and Computer Science. Our passion is in the development and betterment of autonomous vehicles; and to that purpose, we strive to develop new innovations in unmanned ground vehicle technology. Each year we compete in the Auto-Nav portion of the Intelligent Ground Vehicle Competition (IGVC), giving students the opportunity to gain hands-on experience with the latest techniques and technologies used in the industry. Each year, members of our organization secure internships or full-time positions using the skills learned during the competition seasons.

## What we do?

Our team participates each year in the Auto-Nav Competition. Students on our team create a modular robotics platform from the ground up, implementing industry standard technologies and engineering practices. We utilize an iterative design process - improvements for each year's robot platform arise from difficulties experienced in previous years. Our platforms utilize high-tech and industry standard equipment such as LiDAR, cameras and a GPS, coupled with the Robot Operating System to complete each year's IGVC course.

## Why Sponsor Us?

By sponsoring the Oakland Robotics Association, you are helping to fund student exploration into the emerging field of smart mobility. Your sponsorship will help our organization remain competitive in IGVC, while also supporting our expansion efforts. With your support, we can branch into other competitions, giving us more opportunities to develop our skills. We will also start diving into the development and refinement of our own full-scale autonomous driving platform, in pursuit of contributing to our booming local industry. Oakland University is one of the top rated schools for engineering and computer science in the state of Michigan, and our organization attracts the brightest and most dedicated students from our university. You will be receiving recruitment and outreach opportunities as well as community exposure, helping your company stand apart from the rest.



## What is IGVC?

IGVC is a yearly competition that exposes students to the growing field of autonomy at a scale that is beneficial to the learning experience. In the Auto-Nav class, a fully autonomous student-designed robotic vehicle must navigate a road-like obstacle course. At the competition, judging is based on the performance of the robot as well as the innovation of the design, both in regards to the industry and designs from previous Auto-Nav platforms.

## Awards

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20th IGVC JAUS Challenge	3rd place
21st IGVC Auto-Nav Challenge	3rd place
21st IGVC Design Competition	2nd place
21st IGVC JAUS Challenge	2nd place
21st IGVC First to Qualify	First to Qualify
21st IGVC Grand Award	The Lascoe Award
22nd IGVC Auto-Nav Challenge	1st place
22nd IGVC Grand Award	The Lascoe Award
23rd IGVC Design Competition	2nd place
23rd IGVC Basic Auto-Nav Challenge	3rd place
23rd IGVC Grand Award	The Lascoe Award
23rd IGVC Adv. Auto-Nav Challenge	6th place





## Startups and Small Companies

Up to \$999

- 
- Small branding on current IGVC robots
  - Logo on team T-Shirt

## Silver

\$1,000

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- Medium branding on current IGVC robots
  - Logo on team T-Shirt
  - Resumes from our team

## Gold

\$5,000

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- Large branding on current IGVC robot
  - Branding on all active robots
  - Large logo on team T-Shirt
  - Logo on banner/displayed in workspace
  - Meet and greet
  - Resumes from our team

## Platinum

\$10,000

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- Full plexi panel on IGVC robot
  - Branding on all active robots
  - Premium sized logo on team T-Shirt
  - Logo on banner/displayed in workspace
  - Meet and greet
  - Resumes from our team
  - Logo on all marketing material

# 2019-20 Oakland Robotics Association Invoice

Enclosed is a corporate contribution in support of the **Oakland Robotics Association (ORA)**.

***A receipt will be mailed, to your attention, at the address provided below***

Platinum	_____	\$10,000
Gold	_____	\$5,000
Silver	_____	\$1,000
Startups or Small Companies	_____	Up to \$999

## Payment Information

\_\_\_\_\_ Check (Made payable to Oakland University)

\_\_\_\_\_ Credit Card (VISA, MASTERCARD, AMEX OR DISCOVER)

Credit Card # \_\_\_\_\_ Exp. Date \_\_\_\_ / \_\_\_\_

☐ Corporate Card

☐ Personal Card

Name (as it appears on card): \_\_\_\_\_

Signature (required): \_\_\_\_\_

Amount to be charged: \_\_\_\_\_ Date: \_\_\_\_\_

**Total Payment Enclosed:** \$ \_\_\_\_\_

Company Name: \_\_\_\_\_

(Please print name exactly as you wish it to appear on promotional materials)

Billing Address: \_\_\_\_\_

To learn more contact: Dayna Neef at Oakland University at  
dnneef@oakland.edu

**IMPORTANT: Please Submit a high resolution logo in a Vector format (.ai, .esp) to  
oaklandrobotics@gmail.com no later than Monday, May 1, 2020.**