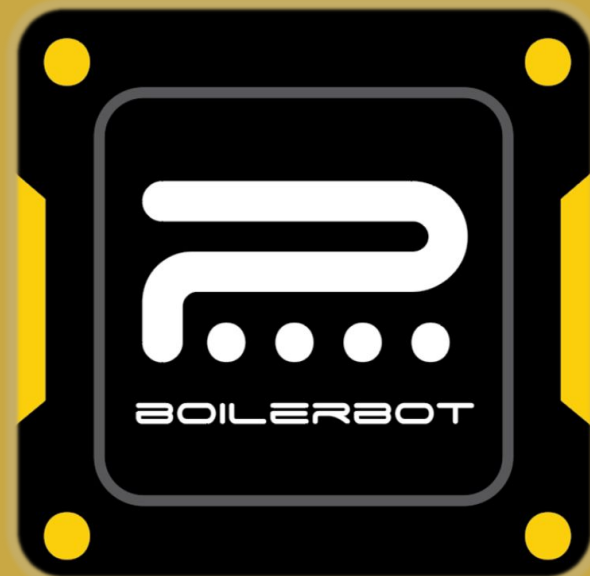


# Purdue Robomasters



*RMUL 2023 Hosting Bid*



# Hosting Location



# Host Location

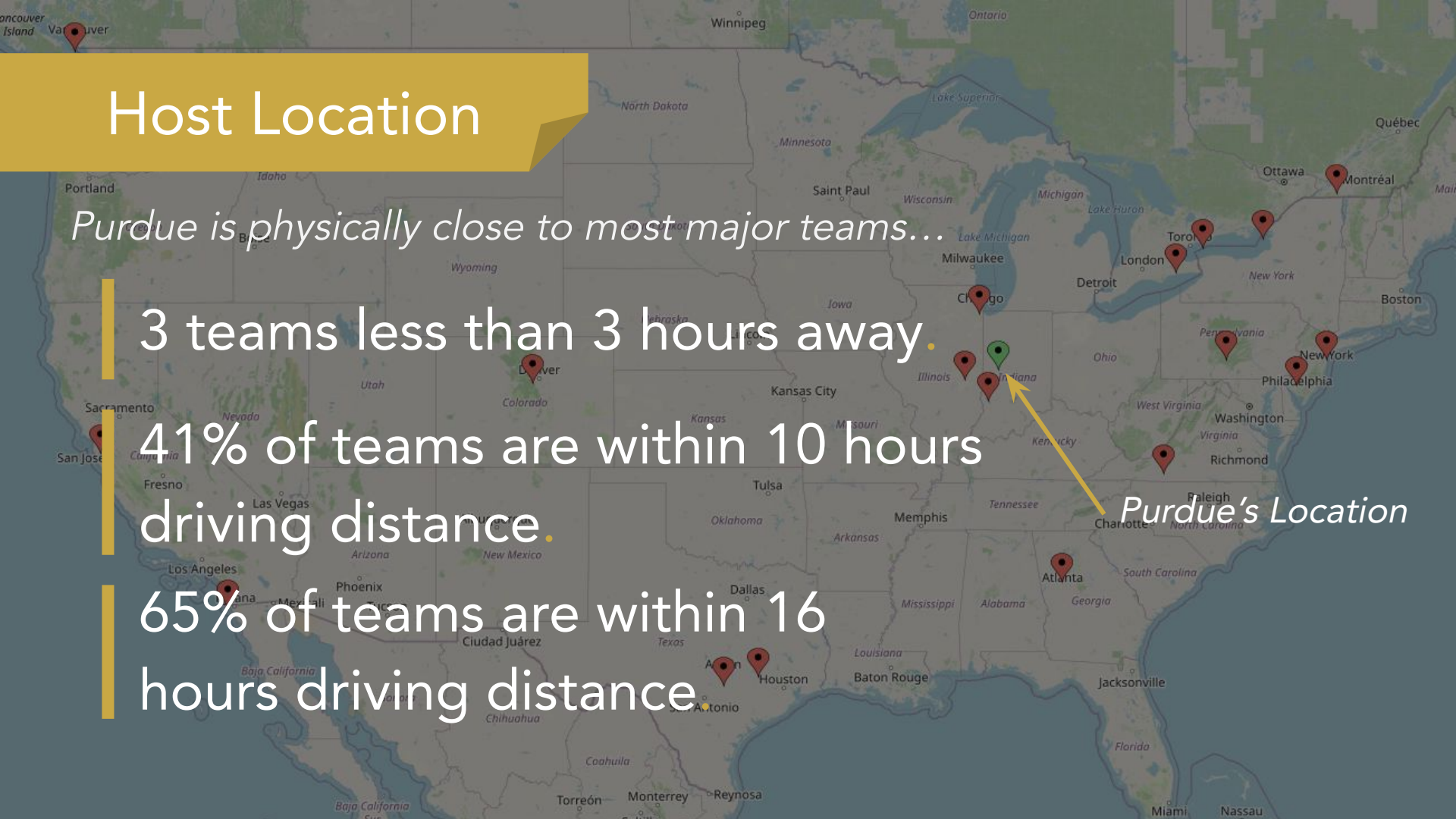
*Purdue is physically close to most major teams...*

3 teams less than 3 hours away.

41% of teams are within 10 hours driving distance.

65% of teams are within 16 hours driving distance.

*Purdue's Location*





# Competition Field / Venue





# Primary Venue: Armory 106

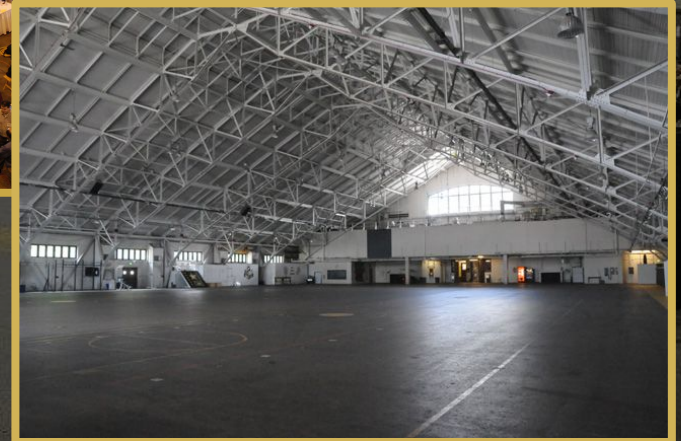
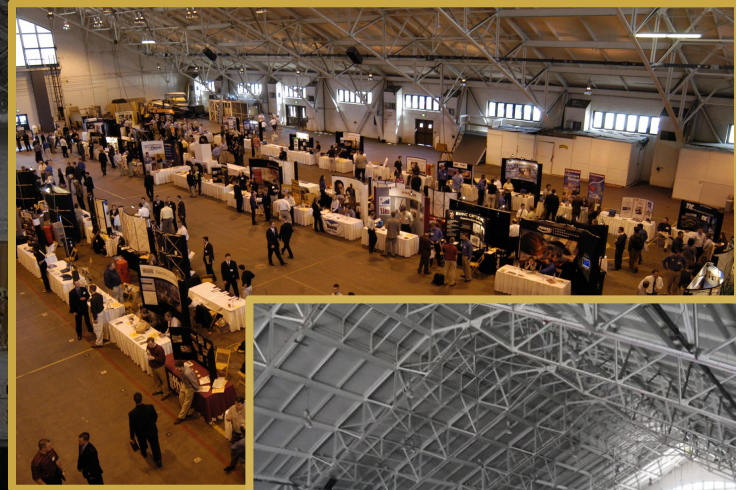
**Address:** 812 3rd Street, West  
Lafayette, IN 47907

**Cost:** Free

**Space:** 37,706 sq ft.

**June Availability:** Was completely free  
during June 2020, 2021, and 2022.

*\* Can be flexible on time*





# Backup Venue: PMU North/South Ballroom

Address: 101 Grant St, West  
Lafayette, IN 47906

Cost: ~1000 (4 days)

Space: 7,320 + 7,200 sq ft

June Availability: TBD

*\* Catering in PMU must be done  
through Purdue Event Planning.*



# Backup Venue: Co-Rec MAC

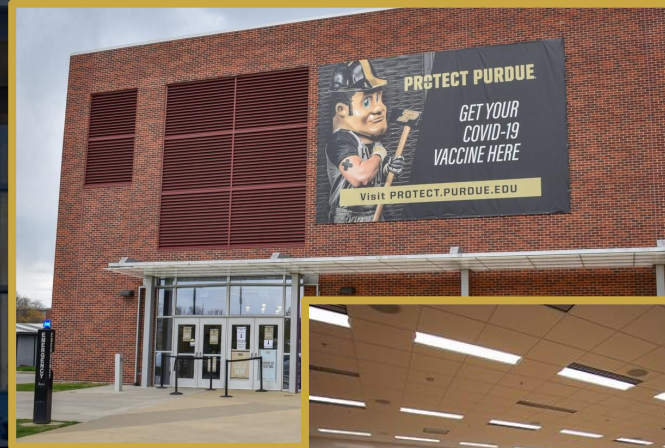
**Address:** 355 N Martin Jischke Dr,  
West Lafayette, IN 47906

**Cost:** \$20 / hour = \$1920 (4 days)

**Space:** 15,000 sq ft

**June Availability:** TBD

*\* Entirely indoors with various levels*





# Backup Venue: Mackey Arena

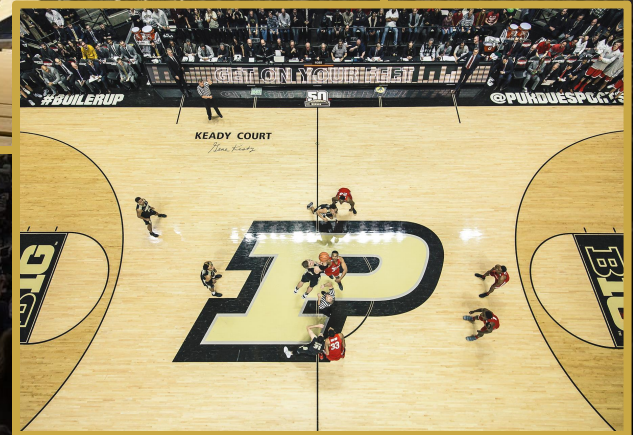
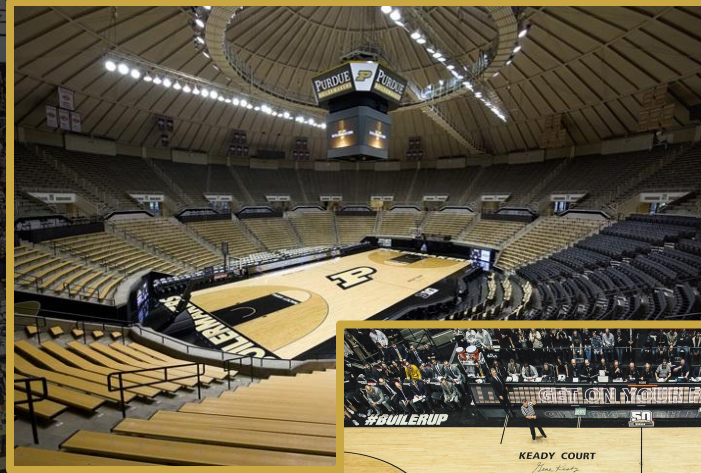
**Address:** 900 John R Wooden Dr,  
West Lafayette, IN 47907

**Cost:** TBD

**Space:** 13,300 sq ft

**June Availability:** TBD, but no  
games over the summer

*\* Mackey Arena is a possible facility for  
hosting 7v7 competitions in the future*





A hand holding a black graduation cap with a red tassel. Below the cap, on a white surface, are several stacks of coins of varying heights, with some loose coins scattered in front. A semi-transparent yellow banner is overlaid across the middle of the image, containing the text "Funding / Sponsorships".

# Funding / Sponsorships

# Funding

## Guaranteed Funding

- Funding from ECE and ME department. Estimated to be the **range of 5~10k.**

## Unconfirmed Funding

- Possibility of corporate sponsorships from companies such as ABB along with other companies that might be interested in supporting stem events. **Amount may vary.**

## Likely Funding Source

- Purdue SOGA (Student Organization Grant Allocation) funding for events in June are open for application in mid January. **Fund events up to \$15,000**
- Purdue SFAB (Student Fee Advisory Board) funds events for the following school year (RMUL 2024). Application ends in early February. **Fund events above \$15,000.**



A group of volunteers in green shirts are loading boxes onto a moving truck. One volunteer is standing on the truck bed, while others are on the ground. A large moving box is visible on the truck bed, and a green box is being held by a volunteer in the foreground. The background shows a brick building.

# Event Preparations

# Finding Volunteers

## General Volunteers

- Paid/unpaid volunteer from other on **campus student organizations**.
- Public post, classroom advertisement, etc for attracting students.
- Can contact other **campus robotics teams** for more technical volunteers
- If needed, can contact / hire event coordinators on campus

## Technical Volunteers

- PurdueRM alumnus or current members are trained and selected as technical volunteers.
- A manager is selected from PurdueRM to train and manage staffs.
- Can coordinate volunteer efforts with local RM teams (**RHIT, UIUC**)

*\* Volunteers are trained remotely few weeks prior, and on location one day prior to the competition.*

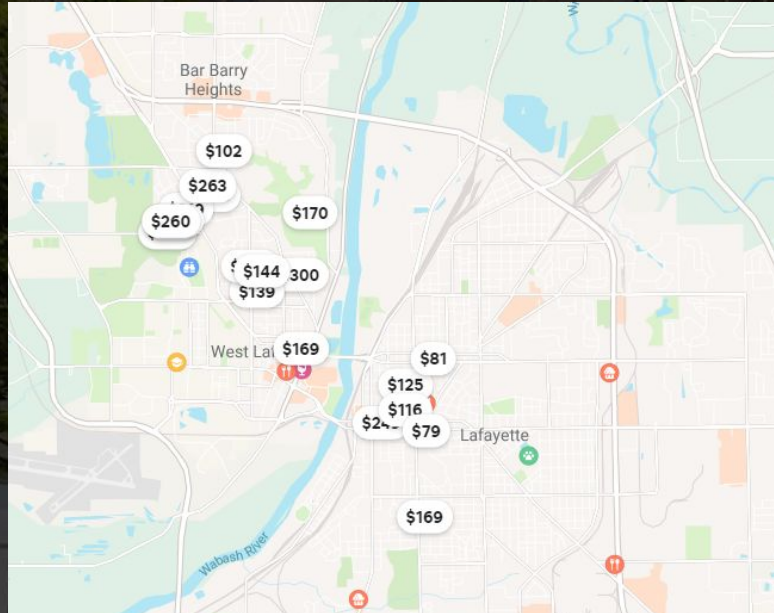


# Practice Competition - March

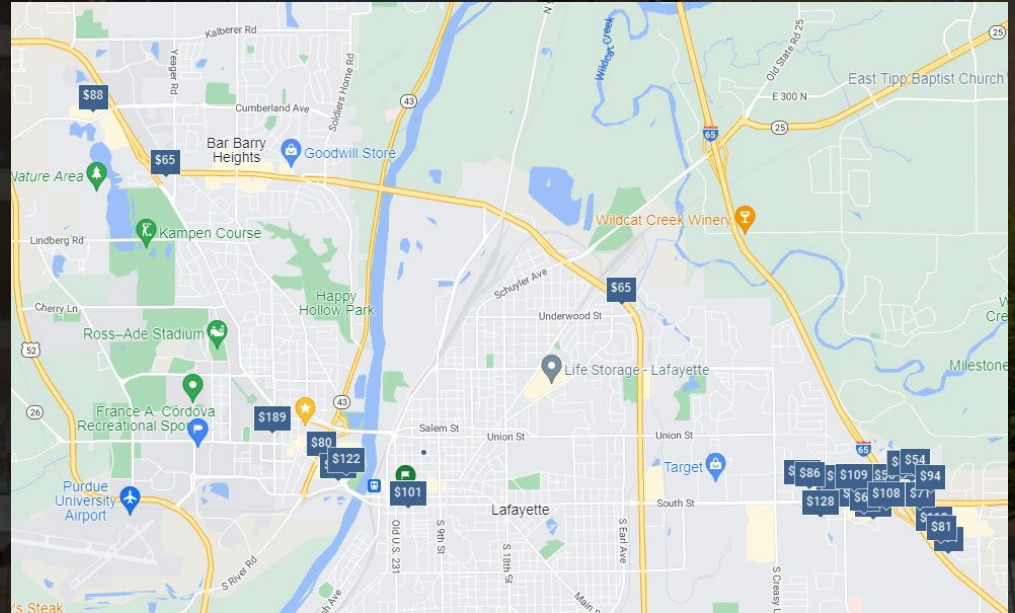
- If Armory 106 is selected as the venue location, a test competition can be hosted in March during spring break.
- Teams in the midwest regions will be invited (UIUC, RHIT). And a limited number of teams can join.
- Volunteers and managers are trained during this competition.
- After the test competition, a review will be conducted with attending teams and the committee.
- Improvements to the upcoming competition such as managing structure, venue setup, and other aspects of the competition can be based on the result of this test competition.

# Team Housing

*\*\* Possibility of contacting nearby dorms for temporary housing of teams to cut costs \*\**



AirBnB availability in June



Hotel Availability in June



# Transportation

Purdue has multiple affiliated charter bus companies ([see link](#))

- Express Air Coach
- Imperial Travel
- Lafayette Limo
- Reindeer Shuttle

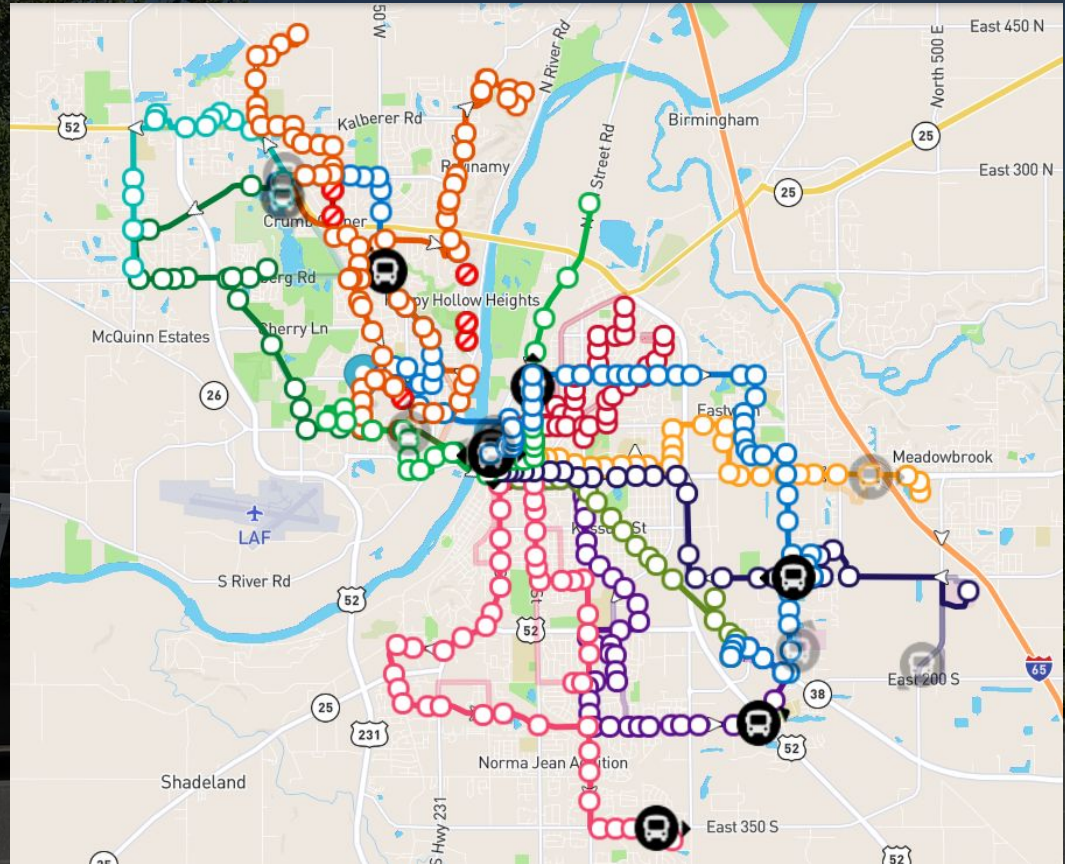
We can provide charter bus

O'Hare <-> Purdue

Indianapolis <-> Purdue

*Price: \$50 / per person*

<https://www.purdue.edu/procurement/travel/resources/buses.php>



Greater Lafayette CityBus



The background image features various Purdue University items. At the top is a dark blue baseball cap with 'PURDUE' in white. Below it is a dark blue sweatshirt with 'BOILER UP!' in large white letters. Several brochures are scattered around, including one titled 'RESEARCH OPPORTUNITIES ABOUT THE NEXT GIANT LEAP', another titled 'RESOURCE GUIDE', and a 'CAREER ASPIRATION' brochure for 'Pharmaceutical Research'. A Purdue University logo is also visible on the right.

# Marketing / Exposure



# Photo / Video

## Hire Student Photographer

- Evaluate students photographer skills. Student photographer at least 6 month prior to the event.
- Student photographer could be selected from clubs.

## Hire Professional Photographers

- There are more than 30 photography companies in the area.
- Funding for professional photographer will be planned regardless of student photographer availability.

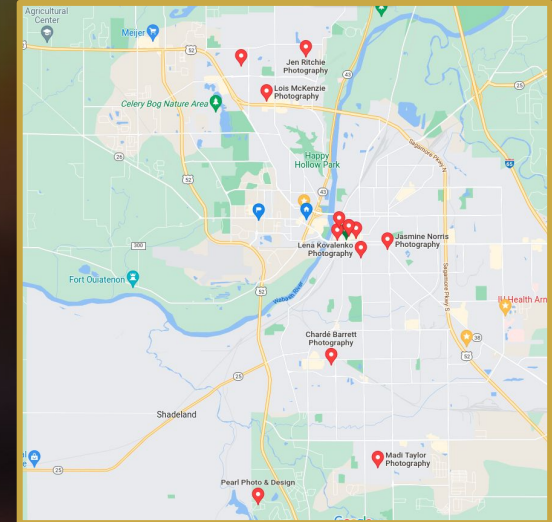


Oldest student organization at Purdue

---

Local photographers are less expensive relative to national average.

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# Media Coverage

## Purdue Staff Photographers

- Each departments have their own media teams along with photographers/videographers we could contact for the event
- We could contact university photographers to cover the event

## Various Media Outlets

- Purdue itself does its marketing from the university or at department level
- Articles can be written about the competition at local news agencies and attract local high schoolers at Purdue attending summer camp



Purdue Exponent is an independent student newspaper.

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Purdue hosts 9 different summer camps focused on STEM education

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<https://www.purdue.edu/summercamps/science-technology.php>



# Local Exposure (1/2)

## STEM Target Market

- Contact FIRST mentorship program at Purdue for possible volunteers and **connections to local high school students** interested in robotics and engineering
- Market to one of the 9 or so **STEM summer camps** running over the summer at Purdue
- Contact various university student engineering programs about event
- Can contact the **various robotics teams in the region** and on campus for possible volunteers or interested parties



Some of our members are also involved in the Purdue First Programs at Purdue

<https://mobile.twitter.com/purduefirst>

# Local Exposure (2/2)

## K-12 Outreach

- Purdue has 9 high schools within a 10 mile radius not to mention various rural high schools in surrounding areas
- Local high schools can be individually contacted to acquire their interest
- Contact various campus student engineering programs about event
- Can talk to the admissions office to direct student tours to the competition (about 15 to 50 ppl per tour, ~6+ per day)



One of competition can be dedicated as an opening event to showcase the S1 platforms and the event.



# Corporate Exposure

## Corporate Exposure

- Purdue has various laboratories and facilities located near campus
- Purdue has **various academic / research conferences over the summer** that could have representatives from companies
- When department meeting occurs, **Purdue's corporate partners can be contacted** if they have interested parties that want to attend the event
- Purdue's Engineering Council hosts career fairs and can contact various companies that might be interested



Caterpillar has an engine facility located in Lafayette.

<https://mobile.twitter.com/purduefirst>

# Competition Timeline



**Aug 22:** Confirm venue location.

**Oct 22:** Confirm department and corporate sponsorship amount.

**Nov 22:** Purchase field material. Outreach and evaluate art department and photographer clubs photographers.

**Dec 22:** Test assembly and test competition in Armory 106.

**Jan 23:** Confirm catering options and event photographers. Volunteer requirement start.

**Feb 23:** Confirm SOGA funding if needed. Confirm teams flight details for coordinating charter buses.

**Mar 23:** Test competition with local teams.

**Apr 23:** Improvement to the competition formats are made. Volunteer rosters confirmed. K-12 outreach start.

**May 23:** Final confirmation with all parties.

## **June 23: Competition Preparations**

- **20 - 21th:** Field setup. Volunteer training on location. Equipment checks.
- **22th:** Run test matches. Pre-inspections.
- **23th:** Competition begins!





# *Thank You!*



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[robomaster@purdue.edu](mailto:robomaster@purdue.edu)



Instagram:  
[https://www.instagram.com/purdue\\_robomasters](https://www.instagram.com/purdue_robomasters)



Website:  
<https://purduerm.org>



Youtube:  
<https://www.youtube.com/channel/UCjOj8p44sedilydU-T70svw>