

# ROBOBOAT TEAM TIME

*Monday, June 9, 2022 | 7:00 PM Eastern Daylight Time*



A Day at the Carnival



Nathan Benderson Park  
Sarasota, Florida, USA  
June 20-25, 2022



# Welcome 2022 RoboBoat Community!

GET  
STARTED



1

Edit your name to "Name | Team Name"

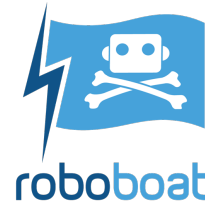
2

Let us know in the chat:

Did you pack extra parts?? If yes, which parts?



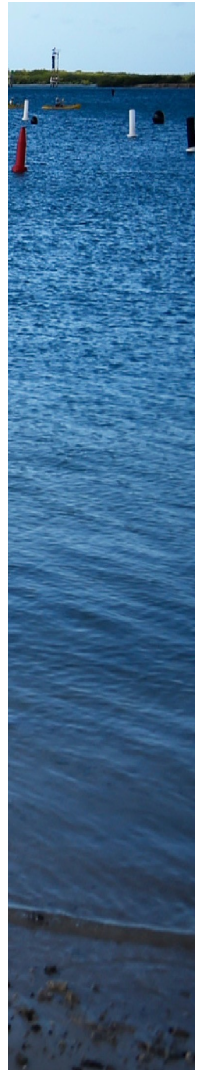
Team Handbook V3.0 Released



## ROBOBOAT TEAM TIME

### AGENDA

- [19:05-19:10] Welcome & Announcements
- [19:10-19:20] Design Presentations & Schedule
- [19:20-19:25] Awards Overview
- [19:25-19:35] Competition Schedule
- [19:35-20:00] Venue & On-Site Protocols
- [19:45-20:00] Vehicle Transit, Deployment & Recovery



**11 Days  
to  
A Day at the  
Carnival**

**RoboBoat 2022**



[roboboat.org/2022](http://roboboat.org/2022)




**June 20 – 25, 2022**





# RoboBoat 2022

## Pre-Event Submissions

 [roboboats.org/2022](https://roboboats.org/2022)

## Design Documentation Evaluations Underway!


- Thank you, Teams, for your submissions!
- Thank you, Judges, for time and feedback!
- Judging and scoring are almost complete:
  - Technical Design Report
  - Competition Strategy Video
  - Website
- Review of the online Demonstration Videos are almost complete. No scoring.





**RoboBoat 2022**

Design Presentations

 [roboboathackathon.org/2022](https://roboboathackathon.org/2022)

# Design Presentations





# RoboBoat 2022

## Design Presentations



[roboboat.org/2022](http://roboboat.org/2022)

## Preparing for your DESIGN PRESENTATIONS

- 30-minute time slots (in-person & online teams)
  - Team presentation (20 min.)
  - Judges Q&A (5 min.)
  - Judges' inspection of vehicle (5 min.)
- May include visual aids (e.g., PowerPoint or poster)
- Team schedule available but subject to change
- Sessions recorded and provided to Teams post-competition





# RoboBoat 2022

## Design Presentations



[roboboat.org/2022](http://roboboat.org/2022)

## Preparing for your DESIGN PRESENTATIONS



### In-Person Teams

- Bring your own device and an HDMI adaptor for any slide presentations.
- Backup: bring your presentation on a USB flash drive.



### Online Teams


- Login 10-15 minutes early.
- Be sure to check your internet connectivity in advance.





# RoboBoat 2022

## Presentation Schedule

 [roboboat.org/2022](https://roboboat.org/2022)

## Presentation Schedule



1. Download the BAND app.
2. Schedule and updates will be posted daily on RoboBoat BAND.

**Hop on the RoboBoat Band(wagon)!**

 [roboboat.org/2022/band](https://roboboat.org/2022/band)





# PRESENTATION SCHEDULE

## Tuesday, June 21

9:30 AM	<i>Design Documentation Judges' Orientation</i>
11:00 AM	Universitas Gadjah Mada – <i>Online</i>
11:30 AM	University of Michigan – <i>In-Person</i>
12:00 PM	<i>Lunch</i>
1:00 PM	Politeknik Negeri Batam – <i>Online</i>
1:30 PM	Military Technical College – <i>In-Person</i>
2:00 PM	AGH University of Science and Technology – <i>In-Person</i>
2:30 PM	<i>Break</i>
3:00 PM	South Dakota Mines – <i>Online</i>
3:30 PM	Alexandria University/AASTMT – <i>In-Person</i>

## Wednesday, June 22

9:00 AM	<i>Judges Start Time</i>
9:30 AM	Diponegoro University – <i>Online</i>
10:00 AM	Edirne Gençlik Merkezi Deneyap Türkiye Atölyesi – <i>In-Person</i>
10:30 AM	<i>Break</i>
11:00 AM	Bannari Amman Institute of Technology – <i>Online</i>
11:30 AM	Tel Aviv University – <i>In-Person</i>
12:00 PM	<i>Lunch</i>
1:00 PM	Hagerty High School – <i>In-Person</i>
1:30 PM	Cornell University – <i>Online</i>
2:00 PM	<i>Autonomy Challenge Course Judges' Training</i>

## Thursday, June 23

9:00 AM	<i>Judges Start Time</i>
9:30 AM	Universitas Sebelas Maret – <i>Online</i>
10:00 AM	Istanbul Technical University – <i>In-Person</i>
10:30 AM	<i>Break</i>
11:00 AM	Institut Teknologi Sepuluh Nopember – <i>In-Person</i>
11:30 AM	Massachusetts Institute of Technology – <i>In-Person</i>
12:00 PM	<i>Lunch</i>
1:00 PM	Instituto Tecnológico y de Estudios Superiores de Monterrey – <i>Online</i>
1:30 PM	Robotics Association of Embry-Riddle – <i>In-Person</i>





# RoboBoat 2022

## Awards



[roboboat.org/2022](https://roboboat.org/2022)



## Awards


- **Design Documentation**
  - Website
  - Technical Design Report
  - Competition Strategy Video
- **Autonomy Challenge Final Standings**
  - Teams are awarded prize money reflective of their overall ranking after scores are calculated.
- **Judges' Special Awards**
  - Throughout the competition, judges and staff are always on the lookout for exemplary behavior from teams to acknowledge with special awards.





# RoboBoat 2022

## Competition Schedule

 [roboboat.org/2022](https://roboboat.org/2022)

# Competition Schedule



1. Download the BAND app.
2. Schedule and updates will be posted daily on RoboBoat BAND.

**Hop on the RoboBoat Band(wagon)!**

 [roboboat.org/2022/band](https://roboboat.org/2022/band)





# RoboBoat 2022

## Competition Schedule



[roboboat.org/2022](http://roboboat.org/2022)

DATE	TIME	EVENT	LOCATION
Sunday, June 19	All Day	Team Travel Day & Hotel Check-in	
	2:00 pm – 4:00 pm	Team Check-in	NBP – MEET
	9:00 pm – 2:00 am	Overnight Pool Testing	Hyatt Place
Monday, June 20	7:30 am – 7:30 pm	Facility Open to Teams	NBP
	8:00 am – 9:00 am	Team Orientation / Coffee / Donuts	NBP – MEET
	9:00 am – 12:00 pm	Safety Inspections & Autonomy Challenge Practice	NBP – Competition Courses
	12:00 pm – 1:00 pm	Break / Lunch	NBP – MEET
	1:00 pm – 5:30 pm	Safety Inspections & Autonomy Challenge Practice	NBP – Competition Courses
	6:00 pm – 6:30 pm	Daily Team Meeting ( <i>Mandatory: 1 team representative</i> )	NBP – Team Village
	9:00 pm – 2:00 am	Overnight Pool Testing	Hyatt Place
Tuesday, June 21	7:30 am – 7:30 pm	Facility Open to Teams	NBP
	8:00 am – 12:00 pm	Autonomy Challenge Practice & Qualifying	NBP – Competition Courses
	11:00 am – 4:00 pm	Design Presentations & Team Photographs	NBP – Finish Tower
	12:00 pm – 1:00 pm	Break / Lunch	
	12:00 pm – 12:30 pm	Tech Talk	NBP – MEET
	1:00 pm – 6:00 pm	Autonomy Challenge Practice & Qualifying	NBP – Competition Courses
	6:00 pm – 6:30 pm	Daily Team Meeting ( <i>Mandatory: 1 team representative</i> )	NBP – Team Village
Wednesday, June 22	9:00 pm – 2:00 am	Overnight Pool Testing	Hyatt Place
	7:30 am – 7:30 pm	Facility Open to Teams	NBP
	8:00 am – 12:00 pm	Autonomy Challenge Practice & Qualifying	NBP – Competition Courses
	9:00 am – 2:00 pm	Design Presentations & Team Photographs	NBP – Finish Tower
	12:00 pm – 1:00 pm	Break / Lunch	
	12:00 pm – 12:30 pm	Tech Talk	NBP – MEET
	1:00 pm – 6:00 pm	Autonomy Challenge Practice & Qualifying	NBP – Competition Courses
	6:00 pm – 6:30 pm	Daily Team Meeting ( <i>Mandatory: 1 team representative</i> )	NBP – Team Village



# RoboBoat 2022

## Competition Schedule



[roboboat.org/2022](http://roboboat.org/2022)

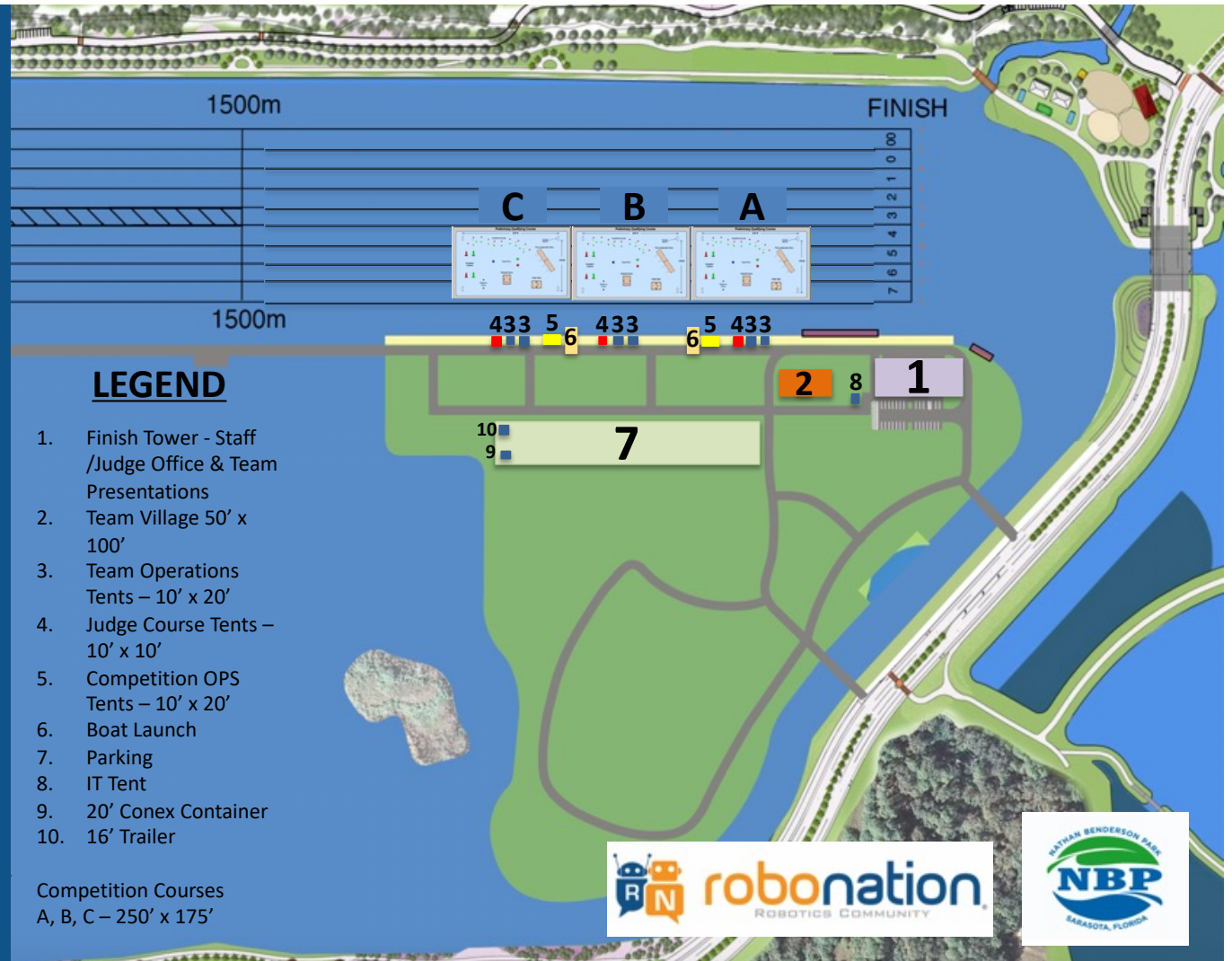
DATE	TIME	EVENT	LOCATION
Thursday, June 23	7:30 am – 7:30 pm	Facility Open to Teams	NBP
	8:00 am – 12:00 pm	Autonomy Challenge Semi-Finals	NBP – Competition Courses
	9:00 am – 2:00 pm	Design Presentations & Team Photographs	NBP – Finish Tower
	10:00 am – 2:00 pm	Media Day	NBP
	12:00 pm – 1:00 pm	Break / Lunch	
	12:00 pm – 12:30 pm	Tech Talk	NBP – MEET
	1:00 pm – 6:00 pm	Autonomy Challenge Semi-Finals	NBP – Competition Courses
	6:00 pm – 6:30 pm	Daily Team Meeting ( <i>Mandatory: 1 team representative</i> )	NBP - Team Village
	9:00 pm – 2:00 am	Overnight Pool Testing	Hyatt Place
Friday, June 24	7:30 am – 7:30 pm	Facility Open to Teams	NBP
	8:00 am – 12:00 pm	Autonomy Challenge Semi-Finals	NBP – Competition Courses
	10:00 am – 3:00 pm	RoboNation's STEM Demo	NBP – MEET
	12:00 pm – 1:00 pm	Break / Lunch	
	1:00 pm – 6:00 pm	Autonomy Challenge Semi-Finals	NBP – Competition Courses
	6:00 pm – 6:30 pm	Daily Team Meeting ( <i>Mandatory: 1 team representative</i> )	NBP - Team Village
	9:00 pm – 2:00 am	Overnight Pool Testing	Hyatt Place
Saturday, June 25	7:30 am – 7:30 pm	Facility Open to Teams	NBP
	8:00 am – 12:00 pm	Qualifying Overflow Runs / Last Chance Qualifications	NBP – Competition Courses
	10:00 am – 3:00 pm	RoboNation's STEM Demo	NBP – MEET
	12:00 pm – 1:00 pm	Break / Lunch	
	1:00 pm – 5:00 pm	Autonomy Challenge Finals & Livestream	NBP – Competition Courses
	7:30 pm – 10:00 pm	Awards	To Be Announced



# RoboBoat 2022

## VENUE

 [roboboat.org/2022](http://roboboat.org/2022)





# RoboBoat 2022

## VENUE

 [roboboat.org/2022](https://roboboat.org/2022)



Team Village



Relaxing in  
Team Lounge





# RoboBoat 2022

## COVID-19 Protocols



[roboboat.org/2022](https://roboboat.org/2022)

# COVID-19 Protocols



1. Download BAND app.
2. Daily COVID-19 health screening reminder on BAND.
  - Complete Google Form
3. Participants with positive test result not allowed on site. Teams must follow submitted COVID-19 Plan.

**Hop on the RoboBoat Band(wagon)!**



[roboboat.org/2022/band](https://roboboat.org/2022/band)





# RoboBoat 2022

## Safety Protocols



[roboboat.org/2022](http://roboboat.org/2022)

# Safety Protocols

1. Always – SAFETY FIRST!
2. Team Orientation Video available on Wednesday, June 15<sup>th</sup>
3. On-Site Orientation on Monday, June 20<sup>th</sup>
4. Safety Inspections
5. Battery Safety Requirements
6. Kill Switch (Emergency Stop) Requirements





# RoboBoat 2022

## Vehicle Transit



[roboboat.org/2022](http://roboboat.org/2022)

## Vehicle Transit

1. Teams must provide a cart to move the vehicle around the competition site.
2. Refer to section 5.4.4 in the Team Handbook, page 31 (Version 3).



Figure 14: Example Vehicle Carts





# RoboBoat 2022

Vehicle Deployment  
& Recovery



[roboboat.org/2022](http://roboboat.org/2022)

## Vehicle Deployment & Recovery

1. Vehicles are deployed and recovered in the water on their cart, using a portable rollout mat.
2. RoboBoat staff responsible for recovering any lost vehicles. All reasonable efforts to recover a lost vehicle will be made, but recovery cannot be guaranteed.



# Vehicle Deployment & Recovery



## RoboBoat 2022

Vehicle Deployment  
& Recovery



[roboboat.org/2022](http://roboboat.org/2022)





# RoboBoat 2022

## Important Dates



[roboboat.org/2022](https://roboboat.org/2022)

## Important Dates

### Hotel Cancellation or Change

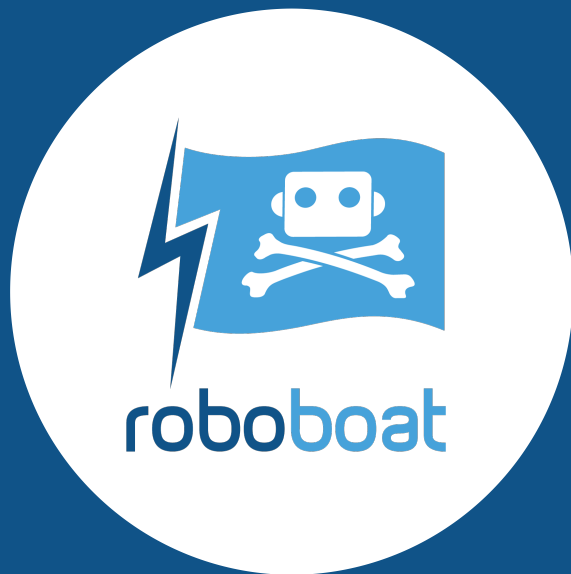
- **Full Refund:** 72 hours prior to reservation arrival date.
- **One night charge:** One night penalty will be charged if cancellation is within 72 hours of reservation check-in date.

### Event Cancellations & Refunds

- **50% Refund, May 16 – June 20:** Cancellations submitted between May 16 and June 20, 2022, will receive 50% refund of registration fee paid.

For more details: [roboboat.org/cancellation-policy](https://roboboat.org/cancellation-policy)





# RoboBoat 2022



[roboboat.org/2022](https://roboboat.org/2022)

## RoboBoat TeamTime Meeting

- NO MORE 2022 TEAMTIME MEETINGS!
- This is it, folks. That's all she wrote.

## Band App for all the Updates



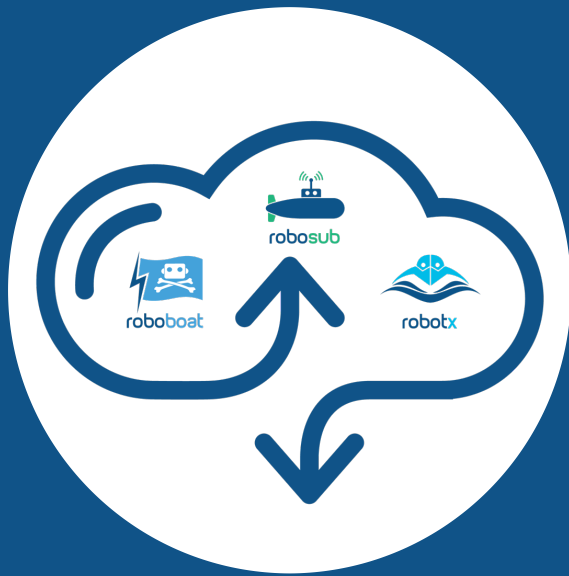
**Hop on the RoboBoat Band(wagon)!**



[roboboat.org/2022/band](https://roboboat.org/2022/band)







# Data Sharing

 [roboboat.org/data-sharing](https://roboboat.org/data-sharing)

## What is Data Sharing?



Centralized Repository



Community Driven



Competition  
focused

Vision  
Acoustics  
Mechanical Designs  
Electrical Designs



DATA FOR ALL  
TEAMS



LARGE DOMAIN  
OF DATASETS



BETTER PLATFORM  
FOR NEW TEAMS



**RoboBoat 2022**



[roboboathack.org/2022](http://roboboathack.org/2022)

**Got Questions?**





**RoboBoat 2022**



[roboboat.org/2022](https://roboboat.org/2022)

**Let the  
Carnival Begin!**

**Good Luck, Teams!!**

**We'll see you in 11 days!**





# robonation



seaperch



seaglide



gosense



roboboat



robosub



robotx



RoboNation is a 501c3 nonprofit organization whose mission is to provide a pathway of hands-on educational experiences that empower students to find innovative solutions to global challenges. Working together with the industry, research and educators, we have grown to include over nine student competitions and programs and engage more than 250,000 students per year.

For more information contact [university-competitions@robonation.org](mailto:university-competitions@robonation.org)