



TeamTime

Thursday, January 12, 2023 | 12:00 Eastern Time (US & Canada)



# YOUR JOURNEY STARTS HERE

MARCH 2023 | SARASOTA, FLORIDA



GET  
STARTED



1

Edit your name to "Name | Team Name"

2

Let us know in the chat:

If you're a returning team, do you have words of wisdom for new teams?



Team Handbook Version 2  
Released on 2 December 2022

## AGENDA

[12:00-12:05] Welcome & Reminders

[12:05-12:15] Submission Checklist

[12:15-12:25] Hotel & Shipping

[12:25-12:35] Preparing for Competition

[12:35-12:40] Community Engagement

[12:45-13:00] Questions?



REC





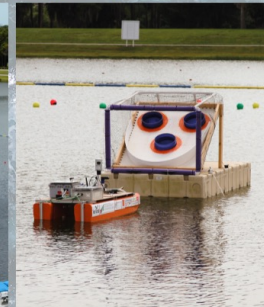


# RoboBoat 2023

 [roboboast.org/2023](https://roboboast.org/2023)

## March 22-28, 2023

NATHAN BENDERSON PARK  
SARASOTA, FLORIDA



MARCH 2023

## 10 Week Countdown





# RoboBoat 2023

## Meet the Teams

 [roboboast.org/2023](https://roboboast.org/2023)



## 25 Teams

- > Arab Academy for Science, Technology & Maritime Support
- > Arab Academy for Science, Technology & Maritime Support
- > Bannari Amman Institute of Technology
- > Coast Guard Academy
- > Cornell University
- > Embry-Riddle Aeronautical University
- > Florida Atlantic University
- > Gdańsk University of Technology, Science Club SimLE
- > Georgia Institute of Technology
- > Indian Institute of Technology
- > InspireNC
- > Institut Teknologi Sepuluh Nopember
- > Instituto Tecnológico y de Estudios Superiores de Monterrey
- > Karadeniz Technical University
- > Lake Superior State University
- > Massachusetts Institute of Technology
- > Memorial University of Newfoundland
- > Military Technical College
- > Politeknik Negeri Batam
- > South Dakota Mines
- > Tel Aviv University
- > Universitas Sebelas Maret
- > University of Michigan
- > University of Puerto Rico - Mayaguez
- > University of Science and Technology in Cracow



# MATHWORKS miniSERIES

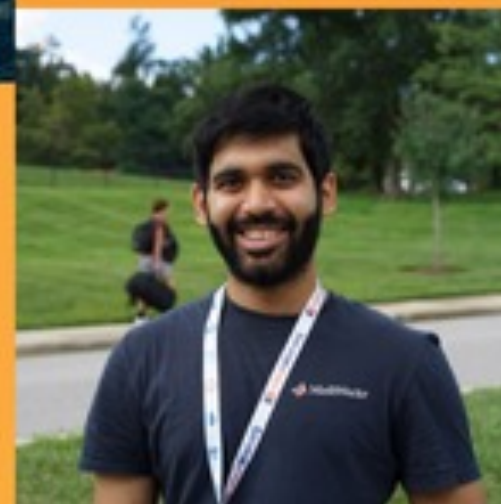


JOIN ROBONATION & OUR  
PARTNERS AT MATHWORKS

JANUARY - FEBRUARY



**GUEST SPEAKER**  
**Shubham Kolhe**



 [robonation.org/community-hour](https://robonation.org/community-hour)



# RoboBoat 2023

## Submission Checklist

 [roboboat.org/2023](https://roboboat.org/2023)



 More Details  
Coming Soon in V3

### February 03 Deadline:

- ☐ Team Information
- ☐ Background Checks
- ☐ On-Site Requirements:
  - Battery Safety and Shipping Plan
- ☐ Merchandise Order

### February 10 Deadline:

- ☐ Technical Design Report
- ☐ Video
- ☐ Website
- ☐ Testing Plan
- ☐ Community & Outreach (optional)








# RoboBoat 2023

## Deadlines

 [roboboat.org/2023](https://roboboat.org/2023)



Date/Deadline	Event
25 October – 16 December 2022	Registration
01 February 2023	Full Refund Cancellation Deadline
03 February 2023	Pre-Competition Deadlines: <ul style="list-style-type: none"> <li>• Team Information</li> <li>• On-Site Requirements</li> </ul>
10 February 2023	Pre-Competition Deadlines: <ul style="list-style-type: none"> <li>• Design Documentation</li> <li>• Optional Community &amp; Outreach</li> </ul>
12 February 2023	50% Refund Cancellation Deadline
22 – 28 March 2023	RoboBoat 2023





# RoboBoat 2023

## Accommodations

 [roboboat.org/2023](https://roboboat.org/2023)



## OPTIONS

### Conference Hotel: To Be Announced Soon

Average Nightly Rate - \$180 - \$250

Benefits: Overnight Pool Usage / Close to Venue

### Short Term Rentals

VRBO / AirBnB

Benefits: Kitchen / Personal Pool



## OPTIONS

Conference Hotel: To Be Announced Soon

### Local Options:

**Fed Ex Office Print and Ship Center**

8320 Lockwood Ridge Rd.  
Sarasota, FL 34243  
(941) 250-3142

**Sarasota Pack Ship – USPS, UPS, Fed Ex, DHL**

935 N. Beneva Rd. Suite 609  
Sarasota, FL 34232  
(941) 955-0098

**The UPS Store**

8374 Market Street  
Bradenton, FL 34202  
(941) 907-2227

**HAZARDOUS SHIPPING: LIPO Batteries**

**FedEx Dangerous Goods**

1-800-463-3339 x 81  
E-mail: [dghotline@fedex.com](mailto:dghotline@fedex.com)

**FedEx Drop Off Location for Dangerous Goods**

4605 18<sup>th</sup> Street E.  
Bradenton, FL 34203

Note: There is no direct phone line – this is drop off/pick-up only.



# RoboBoat 2023

## Shipping

 [roboboat.org/2023](http://roboboat.org/2023)





# RoboBoat 2023

## Schedule

 [roboboast.org/2023](http://roboboast.org/2023)

 Appendix A

## Schedule At-a-Glance

MAR 22 WED	MAR 23 THU	MAR 24 FRI	MAR 25 SAT	MAR 26 SUN	MAR 27 MON	MAR 28 TUE
	8am–12pm // 1pm–5:30pm Safety Inspections // Autonomy Challenge Practice					
1pm - 2:30pm Team Check-in & Orientation		8am–12pm // 1pm–5:30pm Autonomy Challenge Qualifying				
		9am–4pm Presentations			Finals	
2:30pm - 5pm Team Move-In // Safety Inspections						7:30pm Awards
	12:30p- 1:30pm Break / Lunch					
	5:30pm Team Meeting					
	10pm–2am Overnight Pool Testing					





# RoboBoat 2023

Preparing for  
Competition

 [roboboat.org/2023](https://roboboat.org/2023)

 Pages 7 & 22

1

## ASV

### Requirements

- No more than 140 lbs.
- Must fit within a 6 x 3 x 3 feet "box"
- Positively buoyant
- Battery powered
- Multi-point tow harness
- Physical / Wireless kill switch
- Tele-Operable

2

## Static Safety Inspection

- ASV must pass static safety inspection before being cleared for deployment
- Emergency Stop System
- Measure size/weight of ASV
- Ensure ASV clears any safety issues related to propellers or hazards
- Ensure all sub-systems are properly secured

3

## Thrust Test

- Measure thrust in manual or autonomous mode
- Conducted upon first deployment in water
- Points allocated during Finals Round



**Cleared for Course!**





# Data Sharing

 [roboboast.org/data-sharing](https://roboboast.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 2023

Community  
Engagement

 [roboboast.org/2023](https://roboboast.org/2023)



## Calling Volunteer Testers



# Discord

RoboNation has received many requests to consider Discord to connect with the community. **We listened!**

We've spent the last few months working alongside RoboSub alumnus and Discord whiz, Hasan Akpunar, to develop a server. Before we release it, we're looking for 5-10 students to preview, test and provide feedback on the approach!





# RoboBoat 2023

 [roboboata.org/2023](https://roboboata.org/2023)



**Last TeamTime Meeting:**  
Thursday, 23 February @ 12:00pm EST (US & Canada)

## QUESTIONS?





# 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)