

ROBOBOAT TEAM TIME

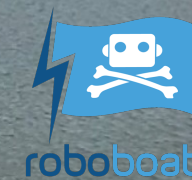
Saturday, April 28, 2022 | 7:00 PM Eastern Daylight Time



A Day at the Carnival




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

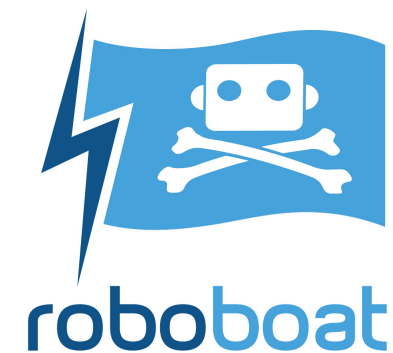


Welcome 2022 RoboBoat Community!

GET
STARTED



- 1 Edit your name to "Name | Team Name"
- 2 Let us know in the chat:
 Which task/behavior is your team's top priority?



ROBOBOAT TEAM TIME

AGENDA

- [19:05 - 19:10] Welcome and Announcements
- [19:10 - 19:20] Course & Task Update
- [19:20 - 19:35] Submission Overview
- [19:35 - 19:45] Hotel & Shipping
- [19:45 - 19:50] Important Dates / Schedule
- [19:50 - 20:00] Wrap-Up / Q&A



Team Handbook V2.0 Released



•REC



RoboBoat 2022

Autonomy Challenge



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A Day at the Carnival



Navigation
Channel



Avoid the
Crowds

(Obstacle
Channel)



Find a Seat
for the Show

(Docking)



Snack Run!

(Speed Gate)



Skeeball

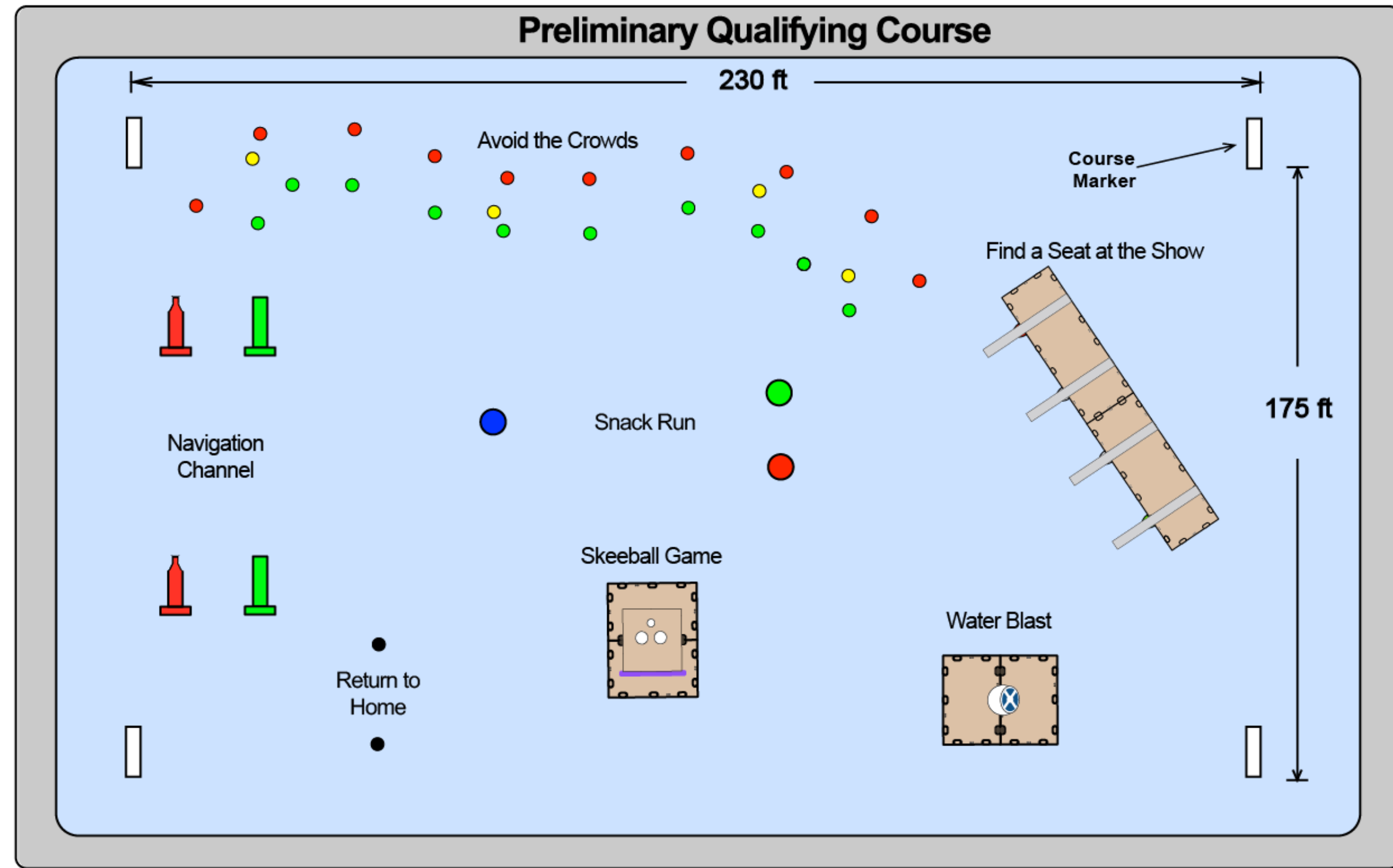


Water Blast



Return to
Dock

Course Layout



RoboBoat 2022 Autonomy Challenge



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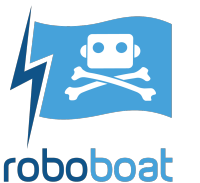
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Autonomy Challenge



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Course Layout





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Submissions



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Preparing Your Submissions

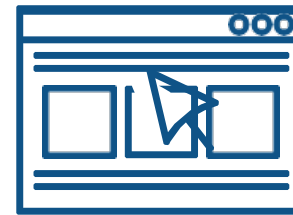


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Submissions



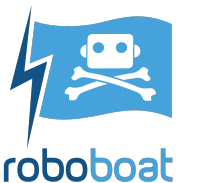
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Website

- Follow the guidelines provided in the Handbook:
 - Include required website content
 - Written in English
- Treat this as an opportunity to advertise who you are and what your team can do.
- Use this venue to promote yourselves:
 - Include resumes of team members
 - Include any papers your team or members have had published
 - Include visuals and video products
 - Include any engineering products you created during your design process
- Acknowledge and thank your sponsors and supporters: funding, contributions, mentorship
- Consider the user: Keep your menu navigation clear and understandable. Avoid flash and clutter.

TIP: Clean up and archive previous versions of your website.





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Submissions



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Technical Design Report

- Follow the guidelines provided in the Handbook:
 - Include required content
 - Written in English
 - Component specs table collected in registration portal
- Tell a story...don't simply give a list of parts
- Don't tell the judges, "Thigh bone is connected to the hip bone, the hip bone's connected to the spinal column."
 - Tell why you made the choices you made
- Include visuals: graphics and photos
- Consider a technical editor if you are unsure of your writing capabilities
- Have someone who has not written the paper proof-read it for spelling and grammar errors



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Submissions



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Competition Strategy Video

- Follow the guidelines provided in the Handbook:
 - Abide by applicable social distancing protocols
 - Conduct in English or include subtitles in English
 - No more than eight (8) minutes long
 - Video hosted by teams: (1) on YouTube or (2) embedded/hosted on team website
- Tell a story...don't simply give a lists of parts or restate what was included in TDR.
- Tell how you prepared for this year, including any failed attempts.
- Share your team's strategy for competition, including what tasks/behaviors you plan to attempt and what your team would see as a successful competition.
- Use visual aids, such as graphics, or add captions to any audio information that is not perfectly clear.
- Outside review: Have someone who was not part of editing review the video, proof-read any subtitles/captions, check audio clarity, and provide feedback.



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Submissions

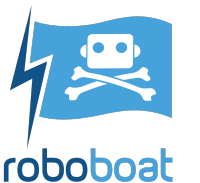


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Video Demonstration (online teams)

- Follow the guidelines provided in the Handbook:
 - Introduction: Identify the school/team name and the behavior(s) demonstrated.
 - Behavior Demonstration: Clearly show each behavior on video; this may include different angles. Each behavior may take up to two (2) minutes of the video.
 - Behavior Summary: Summarize each attempted behavior and a brief assessment of success.
 - Closing: Provide brief closing statement for viewers; this may include acknowledgements.
- Individual videos per behavior. No more than five (5) minutes long.
- Show what you did and what you learned, even if it's only one behavior.
- Display how your environment is set up.
- Consider this an opportunity to practice for preliminary qualifications for future events.
- Have fun with it!

***Won't be scored, but may earn
a special Judges' Award?***





RoboBoat 2022

Submissions



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On-Site Requirements (in-person teams)

- Battery Safety Requirements
 - Battery Specs
 - Material Safety Data Sheets (MSDS)
 - Proper disposal procedures
- COVID-19 Plan
 - Plan for isolating, testing team members showing symptoms
 - Plans for quarantining team members testing positive
 - Emergency plans for team members who require hospitalization
- Shipping Plan
 - Box/Crate count, weight, and dimensions
 - Shipping Company
 - Pick-up/Return address
 - Team Shipping point of contact
 - Battery specific provisions for battery shipments



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Submissions



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Community & Outreach

(optional)

- Share about any educational outreach efforts
- Submit description (500 word limit) with any supporting documents, images, etc.
- Eligible for special awards and recognition

*Won't be scored, but may earn
a special Judges' Award?*

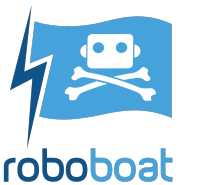


Getting You and Your Boat to the Carnival

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Hotel & Shipping



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RoboBoat 2022

Hotel/Venue



roboboath.org/2022



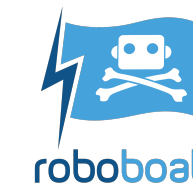
Hyatt Place Sarasota Lakewood Ranch

6021 Exchange Way
Bradenton, Florida

1.2 miles (1.9 km)
to Nathan Benderson Park

Nathan Benderson Park

5851 Nathan Benderson Circle
Sarasota, Florida





RoboBoat 2022

Shipping



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FROM: School Name
Address
City, State, Zip
Country

Hyatt Place Sarasota Lakewood Ranch
c/o RoboBoat / School Name
6021 Exchange Way
Bradenton, Florida, USA 34202

On-site Team POC Name: Phone:



Information available in V2 of the RoboBoat 2022 Team Handbook.

FROM: Hyatt Place Sarasota
c/o RoboSub / School Name
6021 Exchange Way
Brandenton, Florida, USA 34202

School Name
c/o School POC
Address
City, State, Zip
Country

Team POC Name: Phone:



LOCAL SHIPPING OUTLETS:

Fed Ex Office Print and Ship Center
 8320 Lockwood Ridge Rd.
 Sarasota, FL 34243
 (941) 250-3142

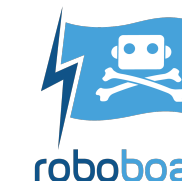
Sarasota Pack Ship – USPS, UPS, Fed Ex, DHL
 935 N. Beneva Rd. Suite 609
 Sarasota, FL 34232
 (941) 955-0098

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

FedEx Drop Off Location for Dangerous Goods
 4605 18th Street E.
 Bradenton, FL 34203
 Note: There is no direct phone line – this is drop off/pick-up only.





RoboBoat 2022

Important Dates



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Important Carnival Dates



RoboBoat 2022

Important Dates



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Sunday, 01 May Deadline (extended)

- Team Information
- Merchandise Order
- Team Demographics

Saturday, 14 May Deadline

- Hotel Reservation Deadline (Hyatt Place)

Sunday, 15 May Deadline

- Design Documentation
 - Website, Technical Design Report, Competition Strategy Video
- *Online Teams* | Video Demonstration
- *In-Person Teams* | On-Site Requirements
 - Shipping, COVID-19 & Battery Safety Plans
- *Optional* | *Community & Outreach*



RoboBoat 2022

Important Dates



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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.

Participation Change

- **Shift between In-Person and Online:** No penalty for changing from In-Person to Online or Online to In-Person participation.

Cancellations & Refunds

- **Full Refund, May 15:** Cancellations submitted on or before May 15, 2022, will receive 100% refund of registration fee paid.
- **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



RoboBoat 2022

Competition Schedule



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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
	9:00 pm – 2:00 am	Overnight Pool Testing	Hyatt Place
Wednesday, June 22	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



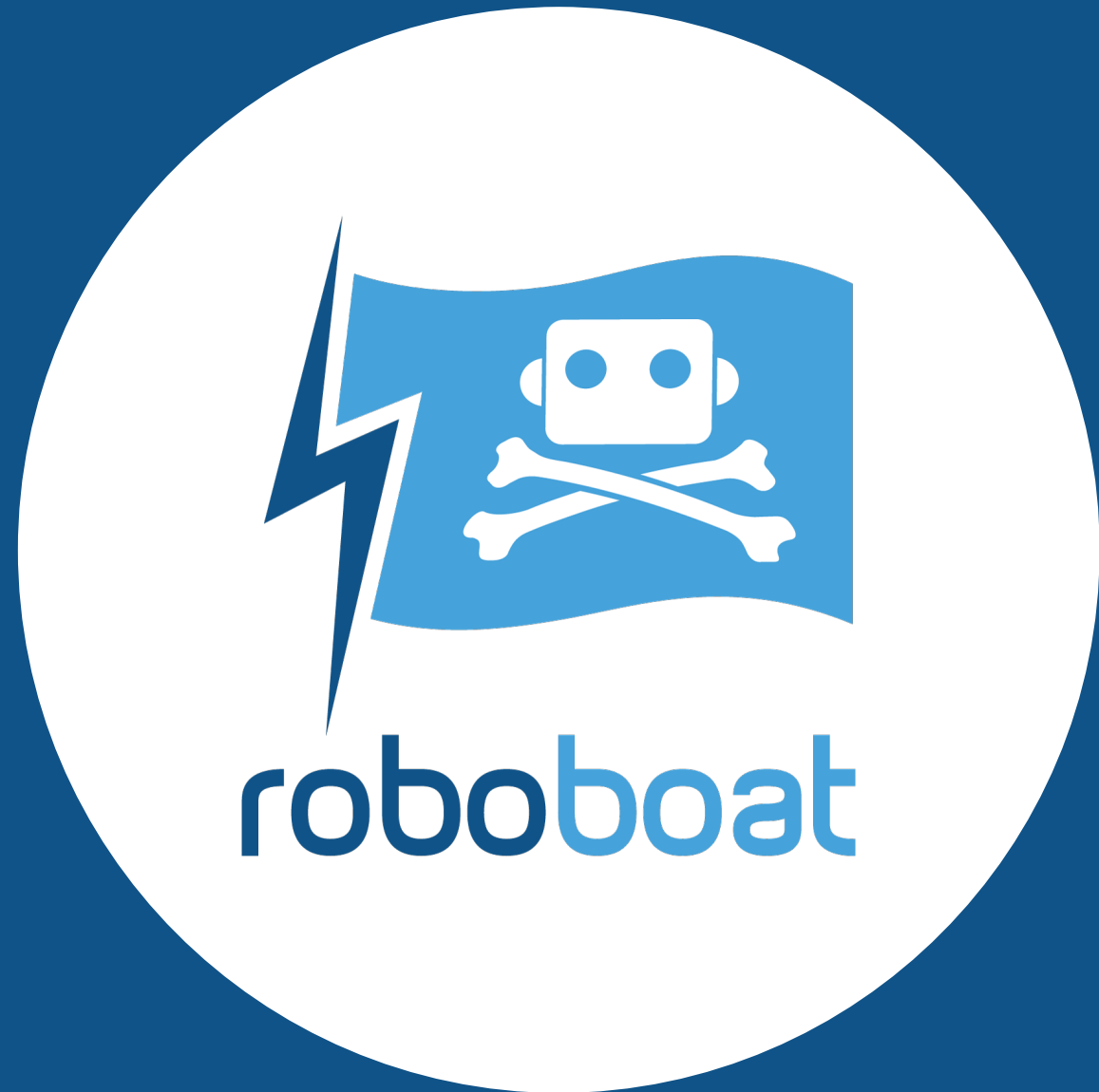
RoboBoat 2022

Competition Schedule



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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	<i>To Be Announced</i>



RoboBoat 2022



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RoboBoat TeamTime Meetings

- Wednesday, 18 May at 7 PM ET
- Thursday, 9 June at 7 PM ET

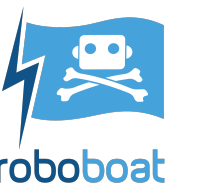
Band App for all the Updates

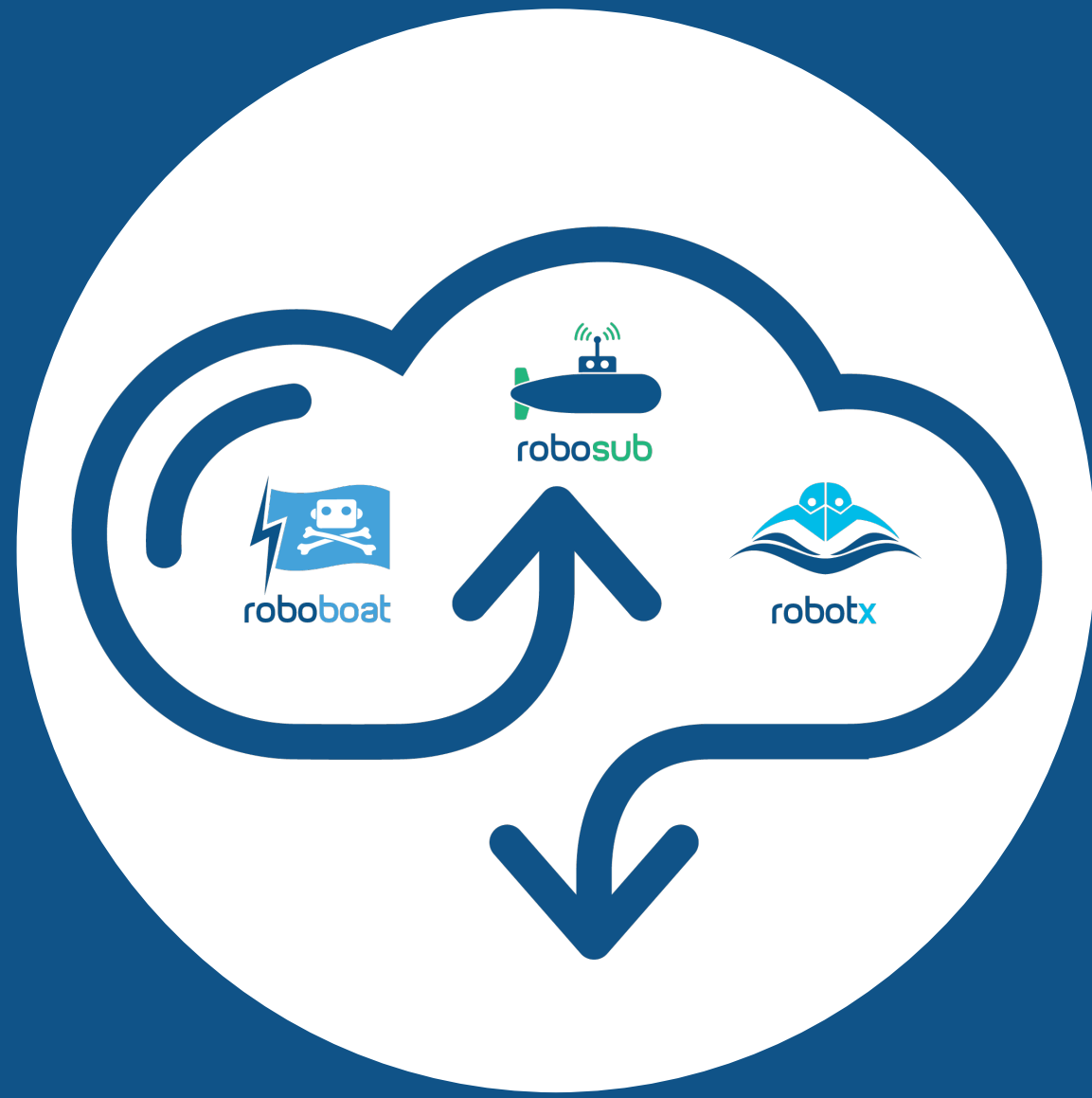


Hop on the RoboBoat Band(wagon)!



roboboat.org/2022/band





Data Sharing

 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

MATHWORKS

mini SERIES

March 24th

April 14th

May 19th

@ 7:00 PM EDT



Link in Bio



MathWorks®

Accelerating the pace of engineering and science



robonation

Sign up or watch recordings
at the link below



robonation.org/community-hour

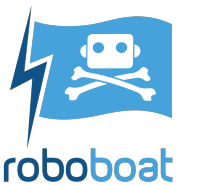


RoboBoat 2022



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Got 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