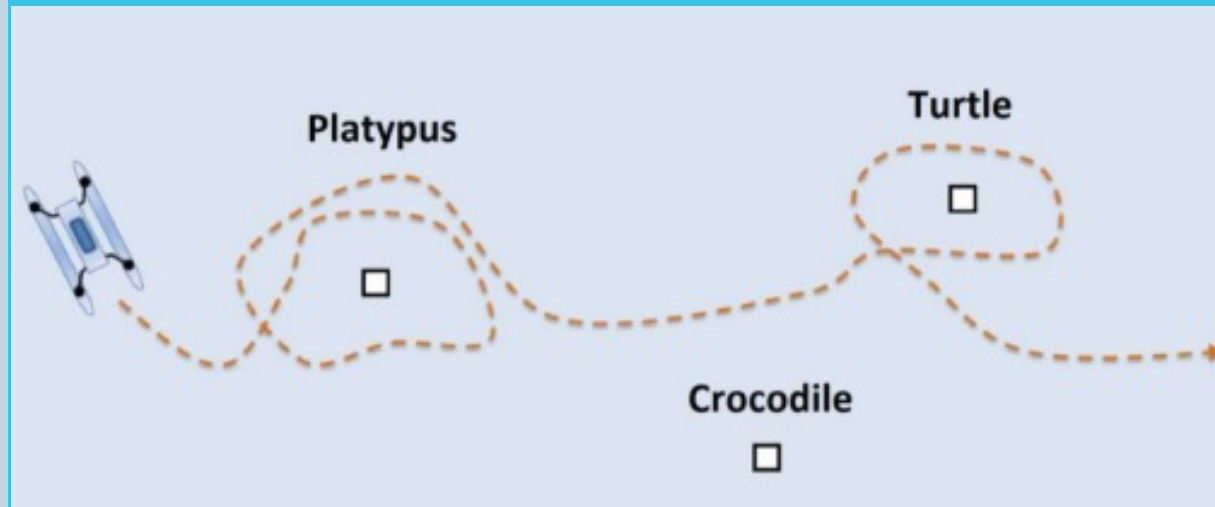


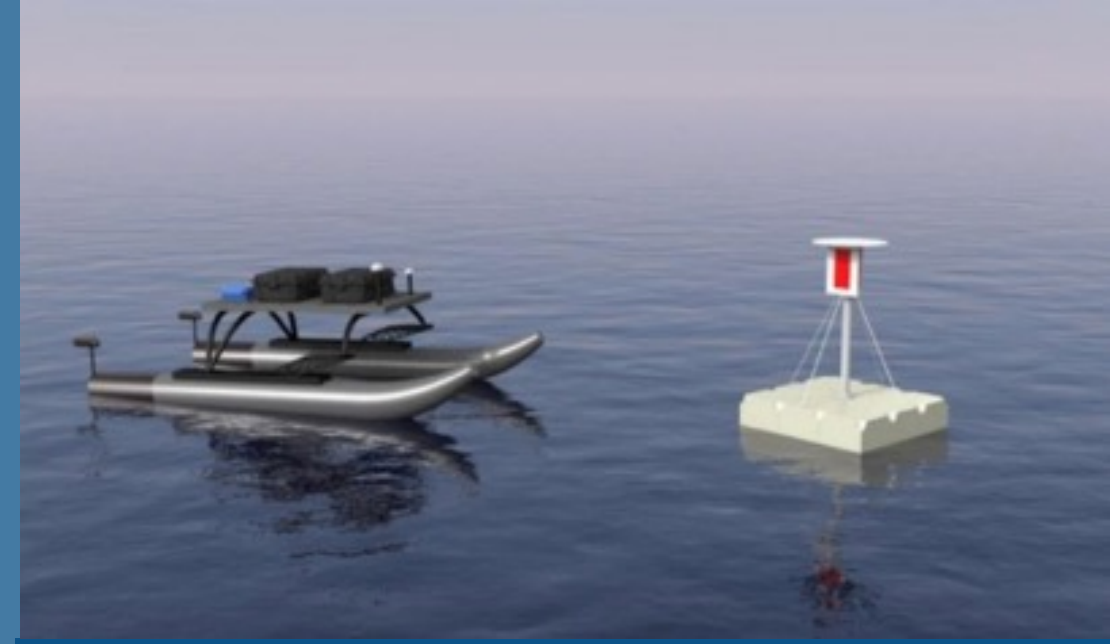


# ROBOTX TEAM TIME

Thursday, September 29, 2022 | 7:00 PM Eastern (US & Canada) Standard Time



2022 MARITIME CHALLENGE





# Welcome 2022 RobotX Teams!

LET'S GET  
STARTED



# ROBOTX TEAM TIME

---

## AGENDA

[19:00-19:10]	Welcome
[19:10-19:15]	Upcoming Deadlines
[19:15-19:25]	Event & Bus Schedule Overview
[19:25-19:35]	Competition Site & Trailer Overview
[19:35-19:45]	Traveling to Australia
[19:45-20:00]	Questions?

1

Edit your name to "Name | Team Name"  
E.g., Aamir | University of RobotX

2

Let us know in the chat:  
Which snack is NOT unique or special to Australia?

- Vegemite
- Fairy Bread
- Snag
- Hurricane Popcorn
- Killer Pythons



•REC



Vegemite – Yumm??!??



Cheezels:  
Aka American Cheetos  
Aka Canadian Cheezies

Killer Pythons: Gummy Worms on Steroids?

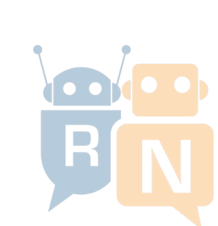


Fairy Bread: Butter covered with Hundreds and Thousands



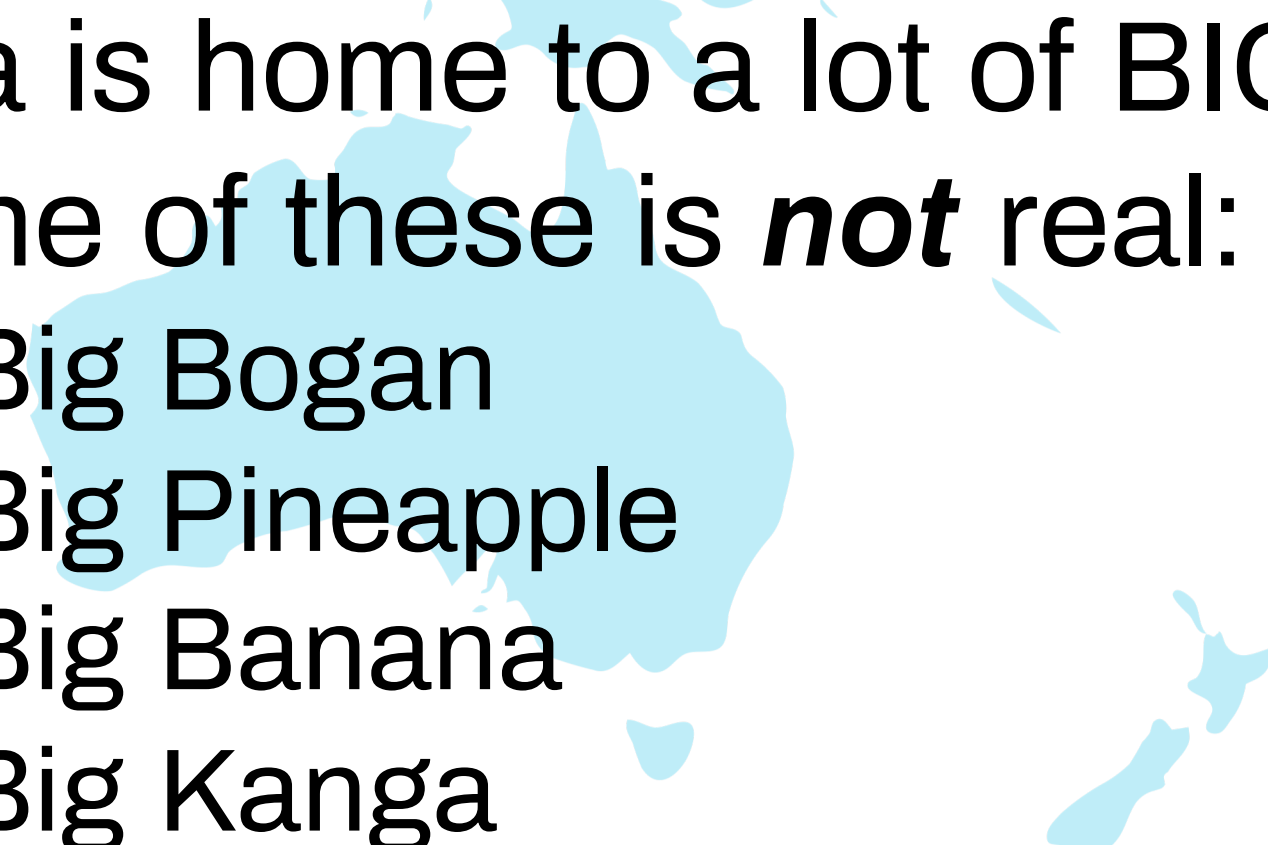
Leftover snack  
from 2018 Sand  
Island, Hawaii

# Welcome to Country





# Aussie Quiz...

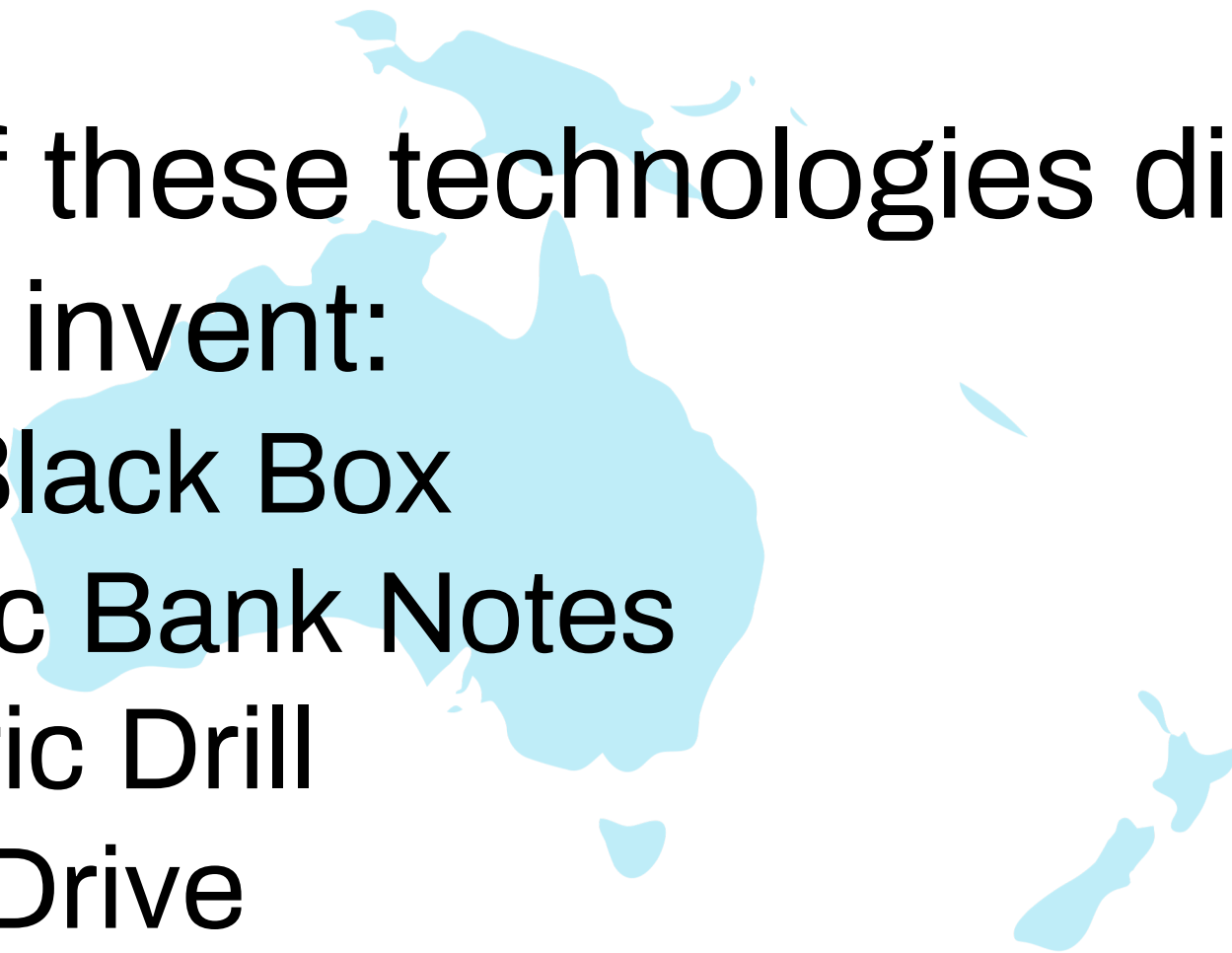
- 
1. Australia is home to a lot of BIG things, which one of these is ***not*** real:
    - a. The Big Bogan
    - b. The Big Pineapple
    - c. The Big Banana
    - d. The Big Kanga





# Aussie Quiz...

2. Which of these technologies did Australians *not* help invent:
- a. The Black Box
  - b. Plastic Bank Notes
  - c. Electric Drill
  - d. USB Drive

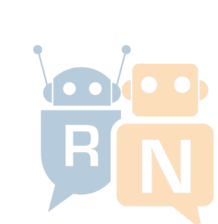




# Aussie Quiz...

3. Which of these is ***not*** a real place in Australia:

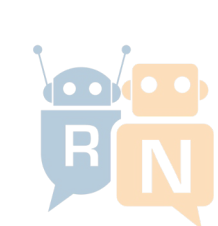
- a. Useless Loop
- b. Nowhere Else
- c. Come By Chance
- d. Bubble Bubble






# Aussie Quiz...

4. How quickly could Prime Minister Bob Hawke drink 2.5 pints of beer?





# Aussie Quiz Answers...

- 
1. Australia is home to a lot of BIG things, which one of these is **not** real?
    - a. The Big Kanga
  2. Which technology did Australians **not** help invent?
    - a. USB Drive
  3. Which is **not** a real place in Australia?
    - a. All of the choices are real places in Australia.
  4. How quickly could Prime Minister Bob Hawke drink 2.5 pints of beer?
    - a. 11 seconds





**43 DAY  
COUNTDOWN**

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



**November 11 – 17, 2022**  
**Sydney International Regatta Centre**  
**19 teams!**





robotx



11-17 NOV 2022



# 2022 RobotX Challenge Indigenous Artwork

Commissioned by RoboNation

*Artist: Lee Hampton, August 2022*

*Title: Technology by Land, Sea and Sky*

**This artwork represents RoboNation's pursuit to bring young people together, to help solve problems of the world through technology.**



In the sky we have a single large logo that represents RoboNation, this is surrounded by a number of meeting places, scattered throughout the sky, each of these meeting places represents the diversity of people from around the World who all come together to participate in the RobotX Challenge. The white journey lines that connect them to each other and also the main sky logo represents them travelling from many parts of the World.

Below this main meeting place in the sky is a trail of white dots leading down to the earth, this represents the journey to Australia.

Through the middle, there is a large section of earth, that appears to be cracked and broken. This represents the land on which we live on, in Australia, which for the most part is a dry Great Southern Land. There are five circles, these are called meeting places. They are interconnected by journey lines.

They all lead to the larger meeting place in the middle that has the RoboNation logo. This represents the central location on where the event is held, in this case, Western Sydney. Bordering each meeting place is a symbol that looks like a double "U" This symbol is an Aboriginal symbol for people, this represents people in their community and also people coming together for the RoboNation event.

The blue section below represents water, the continual circle design, represents the constant movement of water. The marine life is symbolic of the waterways including rivers, lakes and oceans, and is mainly representative of water. Adding the platypus is more symbolic of the river systems in Australia, and as this event is being held in the city of Penrith, our city sits on the banks of the Nepean River, which is known for its platypus habitat. The white section that breaks the land and water, is the whitewash created by robotic marine vehicles that have been created for the RobotX event. These aquatic vehicles are represented by another RoboNation logo in the water, with the whitewash trailing out from the back of the vehicle.

The artwork as a whole, represents bringing like-minded people together from all over the World, to one unique location, in this case, Sydney International Regatta Centre in Penrith, to create opportunities to build careers and solve problems through the use of robotics. Building a better, cleaner future, for a much more sustainable environment.



# Pre-Competition Deadlines

## September 28 | *Yesterday!*

- On-Site Requirements  
*Shipping Plan, COVID-19 Plan, Battery Safety Plan, Pilot Certification*

## October 2 | *3 DAYS TO DEADLINE!*

- Team Demographics
- Team Information
- Background Checks (applicable only to teams with minors)
- Merchandise Order

## October 9 | *10 DAYS TO DEADLINE!*

- Design Documentation  
*Website, Technical Design Paper, Team Intro Video*



# Schedule Overview

## DAY 1

**11 November, FRI**

0830 - 0900 Team Check-in  
0900 – 1000 Opening Ceremony  
1000 – 1200 Team On-Site Orientation  
1300 – 1800 Safety Inspections  
Pilot Flight Tests  
Courses Open  
1800 – 1830 Mandatory Team Meeting  
1900 Venue Closes

## DAY 2-4

**12-14 November, SAT-MON**

0745 Mandatory Team Meeting  
0800 – 1230 Courses Open  
0900 – 1600 Design Presentations  
1230 – 1330 Break – Courses Closed  
Tech Talks  
1330 – 1800 Courses Open  
1800 – 1830 Mandatory Team Meeting  
1900 Venue Closes

## DAY 5-6

**15-16 November, TUE-WED**

0745 Mandatory Team Meeting  
0800 – 1230 Courses Open  
0900 – 1600 System Assessments  
1230 – 1330 Break – Courses Closed  
Tech Talks  
1330 – 1800 Courses Open  
1800 – 1830 Mandatory Team Meeting  
1900 Venue Closes

## DAY 7

**17 November, THU**

0745 Mandatory Team Meeting  
0800 – 1100 Practice  
1100 – 1200 Yamaha Sky Demo  
1200 – 1700 Finals / Live Webcast  
1900 – 2130 Awards & Dinner

**18 November, FRI**

0900 – 1700 Team Pack-Up  
1500 – 1700 Boat Loading  
1900 Team Departure

## TECH TALKS



THALES





# Schedule Overview

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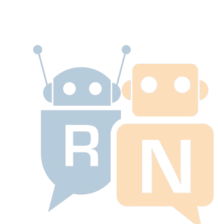
0900 – 1700 Team Pack-Up  
1500 – 1700 Boat Loading  
1900 Team Departure



## PRESENTATION POLL

What is your preference  
regarding the length of your  
Design Presentation?

1. 45 minutes
2. 30 minutes
3. No preference



# Shuttle Bus

Shuttle Bus will transport RobotX teams, staff, judges and volunteers between Western Sydney University, the Mercure hotel and the Sydney International Regatta Centre. Between November 12-16, the shuttle bus will also be available for shopping trips to Bunnings, Westfield Mall and Henry Street.

Shuttle Bus Stops include:

- WSU = Western Sydney University
- SIRC = Sydney International Regatta Centre
- Bunnings is a hardware store, similar to Home Depot
- Westfield is a shopping centre/mall
- The Henry Street drop-off/pick-up location is close to:
  - Battery World – local store for the event sponsor
  - Jaycar Electronics – electronic kids, components, power supplies, and more
  - Officeworks – an office supply store
  - Auto Barn – auto parts store



# Shuttle Bus

## Sample Schedule (12-November)

Pick-up Time	Pick-up Location	Stop #1	Stop #2	Stop #3	Stop #4	Stop #5	Stop #6	Arrival Time	No. Buses
6.00am	WSU	Mercure	SIRC					6.30am	1
6.15am	WSU	Mercure	SIRC					6.45am	1
6.30am	WSU	Mercure	SIRC					7.00am	1
7.00am	Mercure	SIRC						7.15am	1
7.15am	Mercure	SIRC						7.30am	1
12.00pm	SIRC	Bunnings	Westfield	Henry St	Westfield	Bunnings	SIRC	1.15pm	2 vans
5.00pm	SIRC	Bunnings	Westfield	Henry St	Mercure	WSU		5.45pm	1
5.30pm	SIRC	Mercure	WSU					6.00pm	2
6.30pm	SIRC	Mercure	WSU					7.00pm	1
7.00pm	SIRC	Bunnings	Westfield	Henry St	Mercure	WSU		7.45pm	2
7.30pm	SIRC	Mercure	WSU					8.00pm	1





# Site and Course Preview





# WAM-V Transportation At Competition







# RobotX 2022

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

## Traveling to Australia

For each person on your team using the approved RoboNation contact in Australia, please be sure to email the required information to [autonomy@robonation.org](mailto:autonomy@robonation.org), as soon as possible.

- Your Name (As it appears on your visa application)
- Your Team (Name and School/Organization)
- Your role on the team: Team Member, Team Lead or Advisor
- Gender
- Date of Birth: DD/MM/YYYY format
- Country of Origin
- Passport Number
- Country Your Team is Representing
- Accommodations while in Australia (Name of Place and Address)



**Need a local Australian contact?**

Email [autonomy@robonation.org](mailto:autonomy@robonation.org)





# RobotX 2022



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

# Traveling to Australia

## Medical & Safety Reminders

- Pack a travel first-aid kit for minor emergencies.
- Be sure all team members have medical information, including medical conditions, emergency medical contact and insurance information.
- If you have any dietary requirements, make a note when you register team members so that caterers can prepare.



# RobotX 2022

# Traveling to Australia

## Medical & Safety Reminders

- Bring medications and medical management plans with you; inform RoboNation/DSTG of any special medical needs.
- If you get an anaphylactic reaction to anything, all of your team members must know where your epi-pen is kept.
- Have a medical plan for each team member in case of an unexpected medical emergency.
- If you have a sensory processing disorder or sensitivities or any another neurological condition, let us know what might help you should you become overwhelmed, triggered, etc., so we can be prepared.



# RobotX 2022

# Traveling to Australia

## Medical & Safety Reminders

- If you bring medications (prescribed and/or over the counter), you will need a certificate from the prescribing doctor or your regular doctor. Bring a copy of your written prescription with you. You may need it to get your medications through customs at the airport. Check the links below:
  - Therapeutic Goods Administration (TGA) | Australian Government Department of Health | <https://www.tga.gov.au>
  - Understanding Australian Healthcare System – Overseas Visitors | Bupa | <https://www.bupa.com.au/health-insurance/cover/overseas-visitors/australian-healthcare-working>
- It will be spring in Australia. If you suffer from hay fever, asthma, etc., come prepared and/or familiarize yourself with available over-the-counter Australian medications.





# RobotX 2022

# Traveling to Australia

## Medical & Safety Reminders

- If you test positive for COVID-19 while in Australia:
  - Notify your team leader and contact Cheri Koch as soon as possible.
  - Western Sydney confirmed that if a guest tests positive for COVID, they will attempt to move that guest to an empty room, if one is available. If not, the guest would stay in place and isolate. Current COVID protocol recommends frequent testing and isolation until the patient tests negative. There is no requirement to vacate the premises.
- If you have any other questions, feel free to contact Cheri Koch at (850) 642-0536 or use the Western Sydney University Village chat function to talk directly to them.



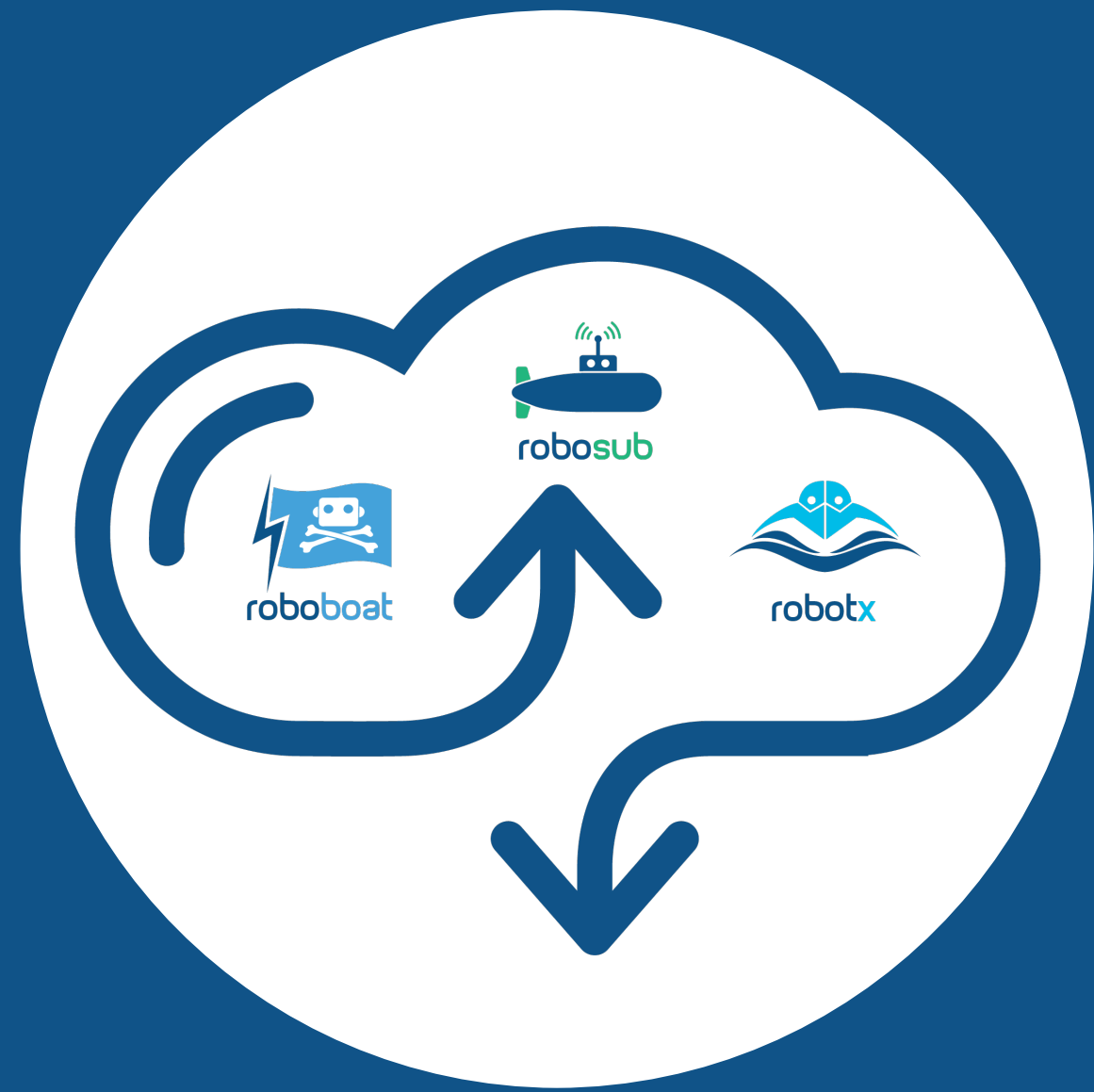
# RobotX 2022

# Traveling to Australia

## Medical & Safety Reminders

- Prohibited Vehicles: With the exception of mobility devices being used by disabled persons, any vehicles listed as prohibited to be registered in NSW (New South Wales) as deemed by NSW Roads and Maritime Services may not, under any circumstances, be used at the Sydney International Regatta Centre (SIRC). Such vehicles include: motorized foot scooters, motorized human transports (Segways), motorized skateboards.
- Only lead-free solder can be used on the event site (reduce risk of exposure to beryllium).
- Only electric soldering irons may be used on the event site.





# Data Sharing

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

## What is Data Sharing?



DATA FOR ALL  
TEAMS



LARGE DOMAIN  
OF DATASETS



BETTER PLATFORM  
FOR NEW TEAMS



### Centralized Repository

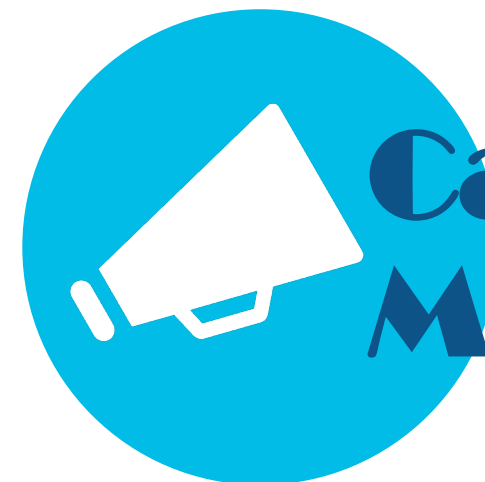


### Community Driven



### Competition focused

Vision  
Acoustics  
Mechanical Designs  
Electrical Designs



## Call for Moderators





# RobotX 2022

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

## RobotX TeamTime Meetings

*Thursdays @ 7PM ET (U.S.) / Fridays @ 9AM AET (AU)*

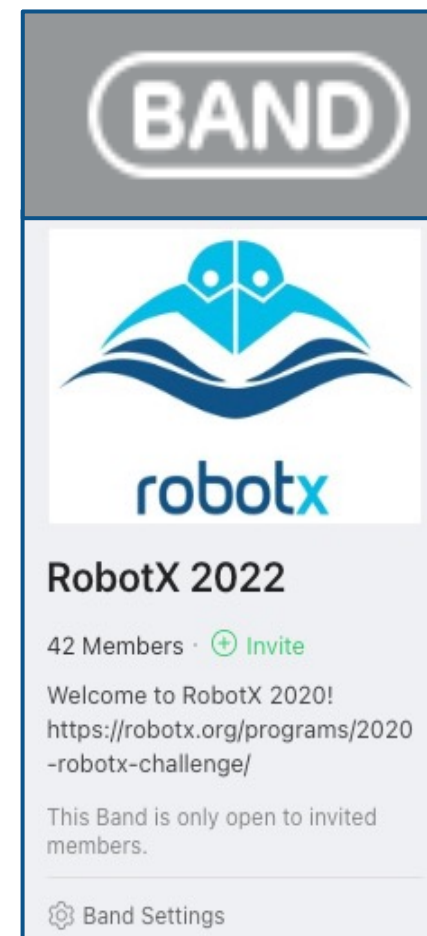
- ~~14 July / 15 July~~
- ~~25 August / 26 August~~
- ~~29 September / 30 September~~
- 27 October / 28 October

## Sign up for the Band App

*Hop on the RobotX Band(wagon)!*



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







# RobotX 2022

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

## QUESTIONS?

## Thank you RobotX 2022 Organizers!





# 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)