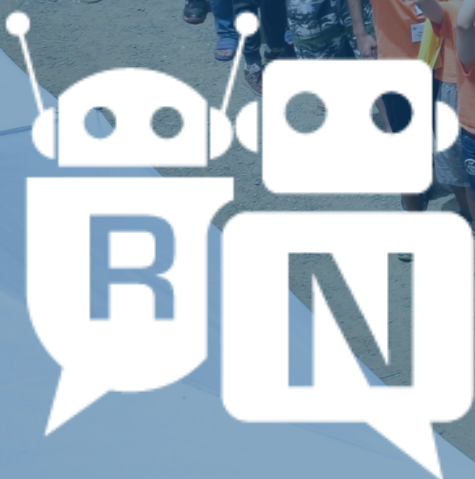


RoboNation Stakeholders Report

Q3 2021



From The Humans

Greetings Humans! (And those that work with them.)

As fall approaches, and we close out another outstanding summer competition season, the humans at RoboNation have been reflecting on the last year and a half. This has been a season of unity—we were thrilled to see our students and educators rallying together to use their collective resources to support each other, learn, and strengthen their skills—both technical and non-technical.

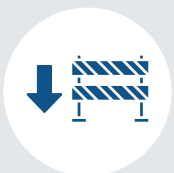
We successfully held four competitions this summer - **IGVC**, **International SeaPerch Challenge**, **RoboBoat** and **RoboSub**.

We are incredibly proud of every team that participated. We grew the opportunities for our students, reached new countries and educational communities, and added innovative and fun ways to recognize our teams for achievements at all levels.

Thank you for staying committed to curiosity this year. 🤖

Daryl Davidson, Executive Director

OUR GOALS



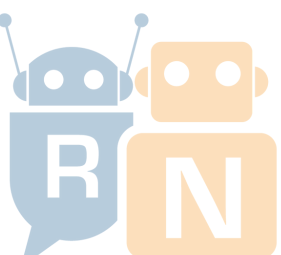
Reduce Barriers to Participation



Promote Meaningful Engagements



Increase Impact



Pre-University Programs



NEW SeaPerch Build Manual

Thanks to feedback from our SeaPerch community and the hard work of the RoboNation staff, it is with great excitement the launch of the new SeaPerch Build Manual!


In this new resource, you'll find step-by-step instructions and enhanced graphics to guide your build. Helpful icons highlight important safety reminders and tips and tricks for success.

3 Frame designs

5 New Sections + Tools & Safety

51 Tips & Safety Reminders

169 New Figures & Images

 seaperch.org/resources/#build

2022 SeaPerch Challenge

The space environment is not so different from the sea. Underwater environments are used to replicate space during astronaut training and mission testing. Robots are becoming more common on the International Space Station (ISS) and astronauts perform a variety of tasks while aboard the ISS that are well suited for remotely operated and robotic support. The 2022 SeaPerch mission is inspired by these tasks.

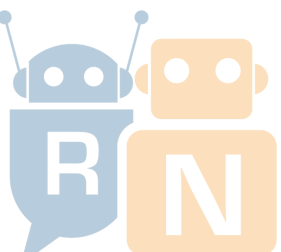
No, we aren't sending SeaPerch ROVs to space - this is all about the underwater testing.

 seaperch.org/programs/2022-season/

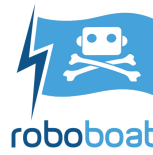
2022 Theme: Space Exploration



RoboNation is actively seeking sponsors and partners for 2022 competitions and programs. Contact Janelle at jcurtis@robonation.org for more information.



University Programs



2021 Summer Competition Wrap Up

ROBOBOAT 2021



192
Students



14
Teams



21
Judges



23
Awards

roboboat.org/2021

The 14th RoboBoat Competition was held online, due to the in-person event being cancelled as a result of the coronavirus pandemic.

14 teams represented Egypt, Indonesia, Israel, México and the United States and territories. The Virtual Awards Party included a presentation from the Mayflower Autonomous Ship and a one of a kind escape room experience.

ROBOSUB 2021

The 24th RoboSub Competition was held online, due to the in-person event being cancelled as a result of the coronavirus pandemic. With 54 teams representing 12 countries and territories.

While we didn't have the opportunity to meet in person this year, we stayed engaged and shifted efforts online to highlight and reward teams' incredible work. We ended the summer with a Virtual Awards Party to announce prizes and gear up for the 2022 competition season.



753
Students



55
Teams



23
Judges



36
Awards

robosub.org/2021

2021 Competition Season



1600+
Participants



175
Teams



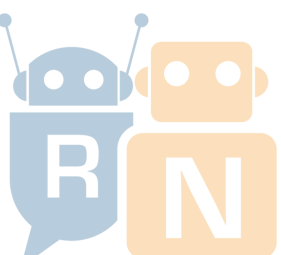
4
Competitions



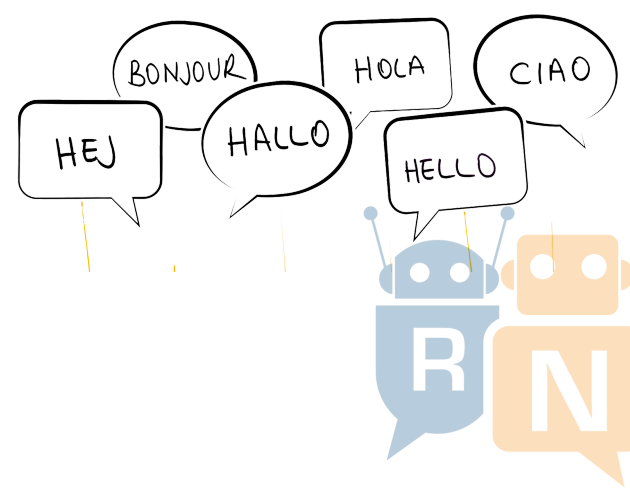
120+
Volunteers



13
Countries



Growth in 2022



RoboNation Growth and Restructuring

We are very pleased, especially considering the past two years, to announce the addition of initiatives and the resulting restructuring in RoboNation's staff. The new initiatives focus on evolving our current programming to a suite of multi-domain sensors and the corresponding data collection and reporting infrastructure; as well as an enhanced program focus on educational outreach and engagement in traditionally underserved, under resourced, and military-connected communities.

These new initiatives, combined with the continued evolution of RoboNation's existing programming, have provided the opportunity for RoboNation to reimagine how our staff can best meet the needs of our community. This process resulted in a significant restructuring of our internal organization to better integrate our pathway of programs. This strategic realignment will connect entry-level students to more advanced programs and raise awareness of opportunities that exist throughout their academic career.

The addition of new funding associated with these initiatives, have required RoboNation to bring on new staff members. This additional staffing allowed us to evolve to better meet the needs of our community which has resulted in a significant restructuring of our internal organization.

The notable change is a much closer integration between our Pre-University and University programs. This closer strategic realignment will connect entry-level students more immediately to the advanced programs and opportunities throughout their academic career.

The ultimate goal, of course, is to attract more students not just to RoboNation programs but to the wide range of experiences and career opportunities in the global robotics industry.

Meet the humans that make up the growing RoboNation staff: robonation.org/who-we-are/

FOLLOW

Keep an eye out on RoboNation social media next month for the official 2022 Competition Season Kickoff!
[Click here to get involved.](#)

