Q&A Session

Hold on to your tether.

We'll be starting momentarily.....

Webinar Overview

- The webinar is being recorded and will be available on the [RoboNation YouTube Channel](#) afterwards.
- The webinar will cover:
  - **Qualifying for the International Challenge**
    - Regional Competitions
    - Wild Card Applications – *submission guidelines & deadlines*
  - **Registering for the International Challenge**
    - Overview of what to expect after you team qualifies and receives an invitation
    - Competition class overview
  - **International Challenge Competition Events**
    - Overview of each event, submission guidelines, and where to find more information
    - *Required Events*: Engineering Design Report & Team Interview
    - *Optional Events:* Pool Courses, Real-world Innovation, Community & Outreach
  - **June 4-5 Virtual Event**
    - Who should attend?
    - Participation options
    - Schedule & structure overview

Questions? Ask in the chat function throughout the Webinar. We will answer these questions at the end, as time allows.

Qualifying for the International SeaPerch Challenge

Option 1: Compete Regionally
"Think globally, act locally" can apply to bots as well.

Option 2: Apply for a Wild Card Space
No regional. No problem.

Submit your application for a chance to compete at the 2021 International SeaPerch Challenge.

Complete applications include:
1. General Team Information
2. Overview of your SeaPerch ROV design *(250 words)*
3. Statement about what participation means to you *(250 words)*
4. Application Fee - $10.00 (non-refundable)

Registering for the International Challenge
So you've qualified...now what?

⅋ seaperch

Welcome to the 2021 International SeaPerch Challenge! Register now for the virtual competition.

Complete applications include:

1. General Team Information (Team Members - max. 8 / Team Coach - max. 2)
2. Team Interview desired dates - Note that the team interview must be scheduled within 30 days of registration completion.
3. Engineering Design submission
4. Real World Innovation submission (Optional)
5. Event Pool Course submission (Optional)
6. Community and Outreach submission (Optional)
7. Application Fee - $225 (non-refundable)

Registering for the International Challenge
How to identify your competition class

- **Two classes**:
  - Middle School
  - High School
- For *Pool Courses only*, classes include:
  - Middle School Stock Class
  - High School Stock Class
  - Open Class

Rules

Read More ∧

May be modified for regional events.

📄 **Pool Courses: Overview & Rules***

📄 **Pool Courses: Competition Classes & Design Rules***

📄 **Pool Courses: ROV Compliance Checklist*** *(updated 01/25/2021)*

International Challenge classes will include Middle School and High School. The optional Pool Course event will utilize the traditional Middle School Stock, High School Stock, and Open Class designations.

More Information on classes here:
https://seaperch.org/2021-season/#resources

International SeaPerch Challenge
Competition Events Overview

Required Events

Both events are required to compete.

Engineering Design

+

Team Interview

Optional Events

Choose up to one optional event per team.

Pool Courses

or

Real-World Innovation

Give Back

Teams can choose to give to their community in this special activity.

Community & Outreach

International SeaPerch Challenge
Event Selection Options

	📝	👥	🤿	🪸	🤝
Required Only	✓	✓			
Required + 1 Optional	✓	✓	✓		
	✓	✓		✓	
Required + 1 Optional + Give Back	✓	✓	✓		✓
	✓	✓		✓	✓
Required + Give Back	✓	✓			✓

International SeaPerch Challenge – Required Event
Engineering Design

- **Submission Deadline**: May 3, 2021

- **Format**: Technical Design Report

- **Objective**: Communicate your intentional design process

- **Submission includes:**

   ❑ Single PDF upload of team's Technical Design Report, including:

   - Report (5 pages max)

   - Budget

   - Fact Sheet (template provided)

   - Team's may include their Engineering Notebook as an optional addition to the end of this PDF

More Information here:
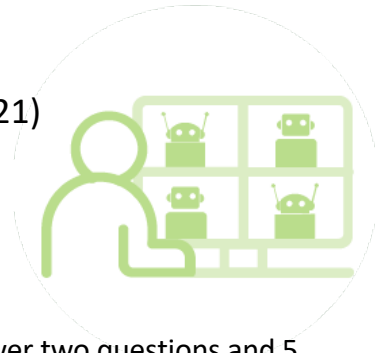**https://seaperch.org/2021-season/#required-events**

International SeaPerch Challenge – Required Event
Team Interview

- **Submission Deadline**: May 27, 2021 (sign-up by May 3, 2021)

- **Format**: Live Online Interview *(Zoom or Google Meets)*

- **Objective**: Clearly present your team and ROV design

- **Team Interview Structure:**

  - 15-minute time slots with 10 minutes to introduce team and answer two questions and 5 minutes for judge Q&A

  - An Engineering Design question and Team Approach question will be randomly selected at the start of each interview

- **Submission includes:**

  ❑ Sign-up for a timeslot following instructions in the registration form

  ❑ Participate in scheduled interview on selected day/time

More Information here:
https://seaperch.org/2021-season/#required-events

International SeaPerch Challenge – Optional Event
Pool Courses

- **Submission Deadline**: May 3, 2021

- **Format**: Video of pool course run

- **Objective**: Demonstrate the performance of your ROV design

- **Options:** Full mission course or mini course may be used

- **Submission includes:**

  - ❏ Task 1 & 2 video (2:10 max)

  - ❏ Task 3 & 4 video (2:10 max)

  - ❏ ROV images (6 images)

  - ❏ ROV system image (1 image)

  - ❏ Self-certified compliance checklist

  - ❏ Self-certified scoresheet

More Information here:
https://seaperch.org/2021-season/#optional-events

International SeaPerch Challenge – Optional Event
Real-World Innovation

- **Submission Deadline**: May 3, 2021

- **Format**: Digital Poster (PDF)

- **Objective**: Explore real-world applications for underwater ROVs

- **Options:**

  - *Innovation Challenge:* Design a prototype to collect microplastics with your SeaPerch.

  - *SeaPerch in the Wild Project:* Design a project inspired by SeaPerch in the Wild project ideas.

  - *Create Your Own:* You know your local community best; design a project with an application best suited to your community's needs.

- **Submission includes:**

  - ❑ PDF of team's poster (4' x 3' – optional templates provided)

More Information here:
https://seaperch.org/2021-season/#optional-events

International SeaPerch Challenge – Give Back
Community & Outreach

- **Submission Deadline**: May 3, 2021

- **Format**: Written statement with optional photos/videos

- **Objective**: Give back to your community

- **Submission includes:**

  ❑ Description of the team's activity (500-word max.)

  ❑ Supporting photos or documents (optional, 3 file uploads max.)

  ❑ Supporting reference link to a video, website, article, etc. (optional)

  ❑ Acknowledgement certifying that photographs or videos given as part of this entry only include team members who have submitted a Photographic Release Form signed by a parent/guardian.

More Information here:
https://seaperch.org/2021-season/#give-back

June 4-5 Virtual Event

2021 International SeaPerch Challenge

WHERE:

Virtual

WHEN:

June 4-5, 2021

More Information on this event including speakers, detailed schedule, and registration coming soon!

June 4-5 Virtual Event
Who should attend

- Did your **team qualify** to compete at the International Challenge? **Registration for the event is included in your competition fees!**

- If you're not part of a competing team:
  - Did your team compete at a regional but **didn't qualify**?
  - Are you a **parent/grandparent/friend** that wants to show your support?
  - Are you an **educator or mentor** engaged in SeaPerch?
  - Are you **new to SeaPerch** and want to learn more?

- **If you answered yes to any of the above** – participating in this event is a great way to learn more, connect with teams and mentors from around the world, and show your support to this year's teams.

Still left with questions?

Ask away on the SeaPerch Forum!
https://robonationforum.vbulletin.net/forum/robonation-programs/seaperch/-2021-seaperch-season

Q&A