

DATA SHARING

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AGENDA

Introduction

Brief History & Objectives | Introduction to Data Moderators | Access & Folders Overview | Resources

Best Practices

Implementing in Modeling & Testing

What's Next?

Brainstorming Data Sharing Opportunities

Invitation to Become a Data Moderator



INTRODUCTION

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INTRODUCTION

Objectives

A community-driven project, created to:

- Increase collaboration between teams
- Address the never-ending quest for test data
- Standardize data formats, where possible
- Identify and establish common platforms to transfer & access data





INTRODUCTION

Meet the Data Moderators

- Avery Komarnicki | University of Alberta
- Cameron Tucker | The Ohio State University
- Eesh Vij | University of California, Irvine
- Ewan Féminis | École de Technologie Supérieure
- Erwan Manach | École de Technologie Supérieure
- Roxanne Parent Thibeault | École de Technologie Supérieure



Apply to
Be a Moderator





INTRODUCTION

Meet the Data Sharing Advisors & Support

- Aamir Qaiyumi | RobotX Technical Director
- DaveMan Novick | RoboSub Technical Director
- Manav Gandhi | SUAS Technical Director
- Julianna Smith | Director, RoboNation Program Operations
- Laverne Imori | Coordinator, RoboNation Program Operations





INTRODUCTION

Meet the Founding Members



Camille Sauvain

École de Technologie Supérieure

“I had the chance to meet with some of the committee members before joining the committee and I felt the same energy than during the in-person competition, seeing how different teams have the same struggle and how they can always find ideas to push further. And it is the same thing with the committee, we want members who will help other teams to share their knowledge, pushing for more competitiveness.”



Parth Parekh

The Ohio State University

“The Data Sharing effort has been a great boon for our team to network and be involved with RoboNation. It’s fun to be around like-minded people who care about pushing the competition forward every year.”



Ben Manley

University of Michigan

“Helping on the Committee has given me the opportunity to interact with members of other teams and shape how teams will collaborate in the future. It’s been fun creating a system that others will use to raise each other up and learn together!”





INTRODUCTION

Access Overview



**Video
Walkthrough**

- Teams must have a Generic Email account to participate, submitted in registration
- Upon paid registration, RN sends invitation to Viewer Uploader access
 - Complimentary Box account (no fee)
 - Invitation must be accepted within 30 days of receipt
- Teams are given one uploader account access, viewer links can be created





DATA SHARING

Community Responsibility

- Teams uploading and downloading data shall be respectful and responsible users of this tool.
- If you download data, please also upload some data (as soon as you have it).
- If you do not have data to upload yet, considering sharing other resources that may be helpful to members of this vast community.
- Teams that only download data and never upload "good data" will lose access to this tool.





RESOURCES



Data Sharing Website

<https://robonation.org/data-sharing>

- Tutorial Videos
- Access links to Competition Data Sharing folders



Discord Server

<https://robonation.org/discord>

- Share and request data
- Ask a Data Moderator!



BEST PRACTICES

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Cameron Tucker | RoboSub | The Ohio State

- We all face the same challenges
- Collecting good data takes time
- Teams redo work that already exists
- Sharing makes that effort reusable

BEST PRACTICES



Ewan Féminis | RoboSub | École de Technologie Supérieure

What makes a good data sharing :

- Usable by all (or most)
- Easy to use
- Usefull

BEST PRACTICES



Avery Komarnicki | RoboSub | University of Alberta

What I have used data sharing for:

- Never enough data
- Needed new data set because of external factors

BEST PRACTICES



Manav Gandhi | SUAS | Technical Director

BEST PRACTICES

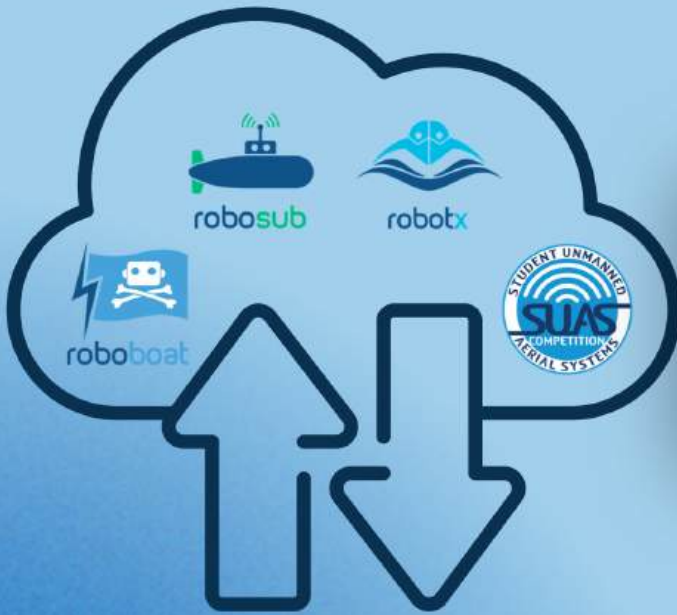


WHAT'S NEXT?

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Ideas for the Future of Data Sharing



DATA SHARING

WHAT'S NEXT?



JOIN THE DATA SHARING COMMITTEE

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Application Form



QUESTIONS?

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Data Sharing

**THANKS
FOR JOINING US
TODAY!**

**ROBONATION
DATA SHARING**

<https://robonation.org/data-sharing/>

