

# THANK YOU TO OUR



# SUAS 2022 Sponsors

Premier



**robonation**  
ROBOTICS COMMUNITY

Platinum



UAS TEST SITE



Contributing



**Boeing**



**Avian**

Supporting



**DCS Corporation**

**Cyber Vet Solutions**



CAPTAIN WALTER FRANCIS DILL  
AIRPORT TERMINAL

WALK BEHIND BARRICADES



# AUVSI SUAS Competition

2022

# Announcements

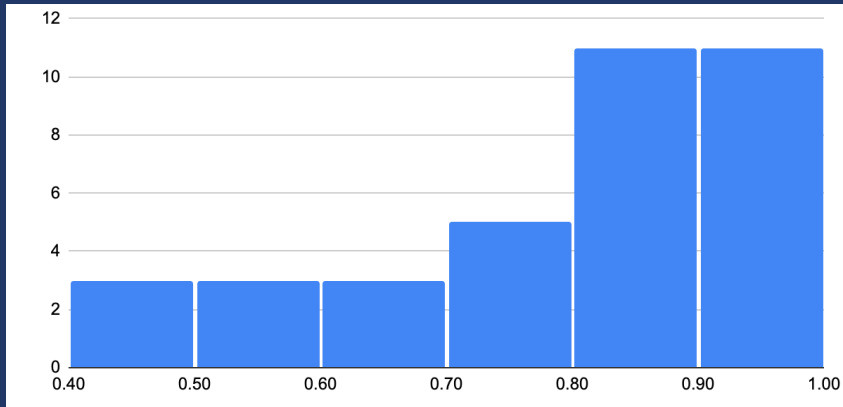


# 2022 Firsts

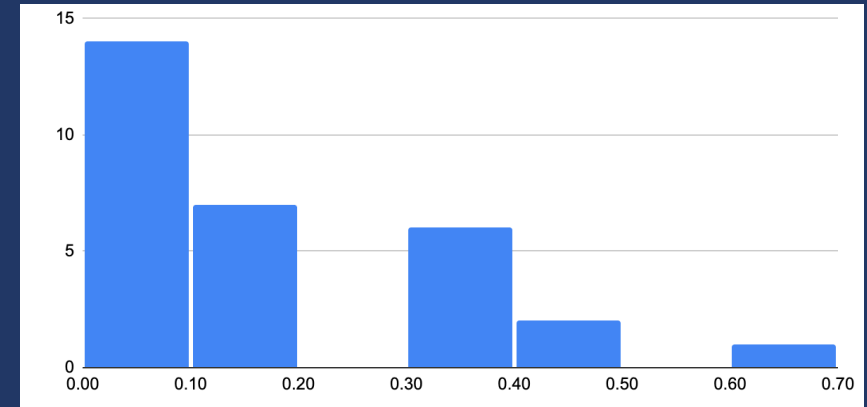


- 2 FLIGHTS AT ONCE!!!!!!
  - First (unintentional) formation flights ever
- New venue!
- More international schools than ever before
  - At initial registration, 275 people from Turkey!
- Fewest judges per team ever
- First international high school
  - Reali Beit Biram High School
- First time someone caught me on a fishing line
  - Next time, drop your cable used for lowering the UGV before you get back to the judges tent will ya.
- Most efficient mission execution ever

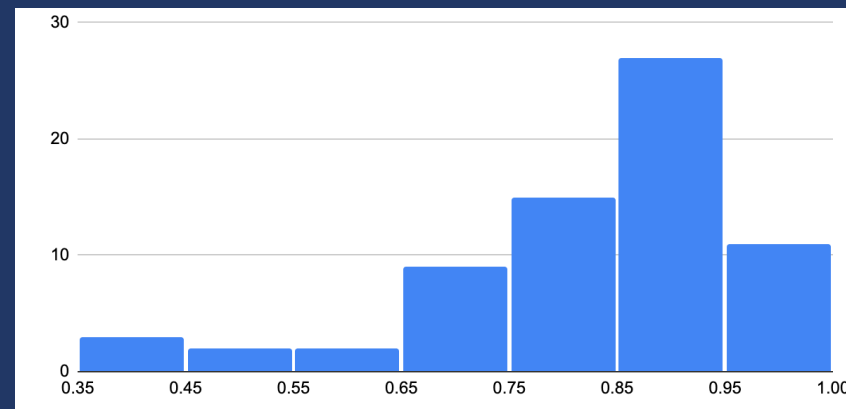
# Detailed Mission Stats



FRR Score

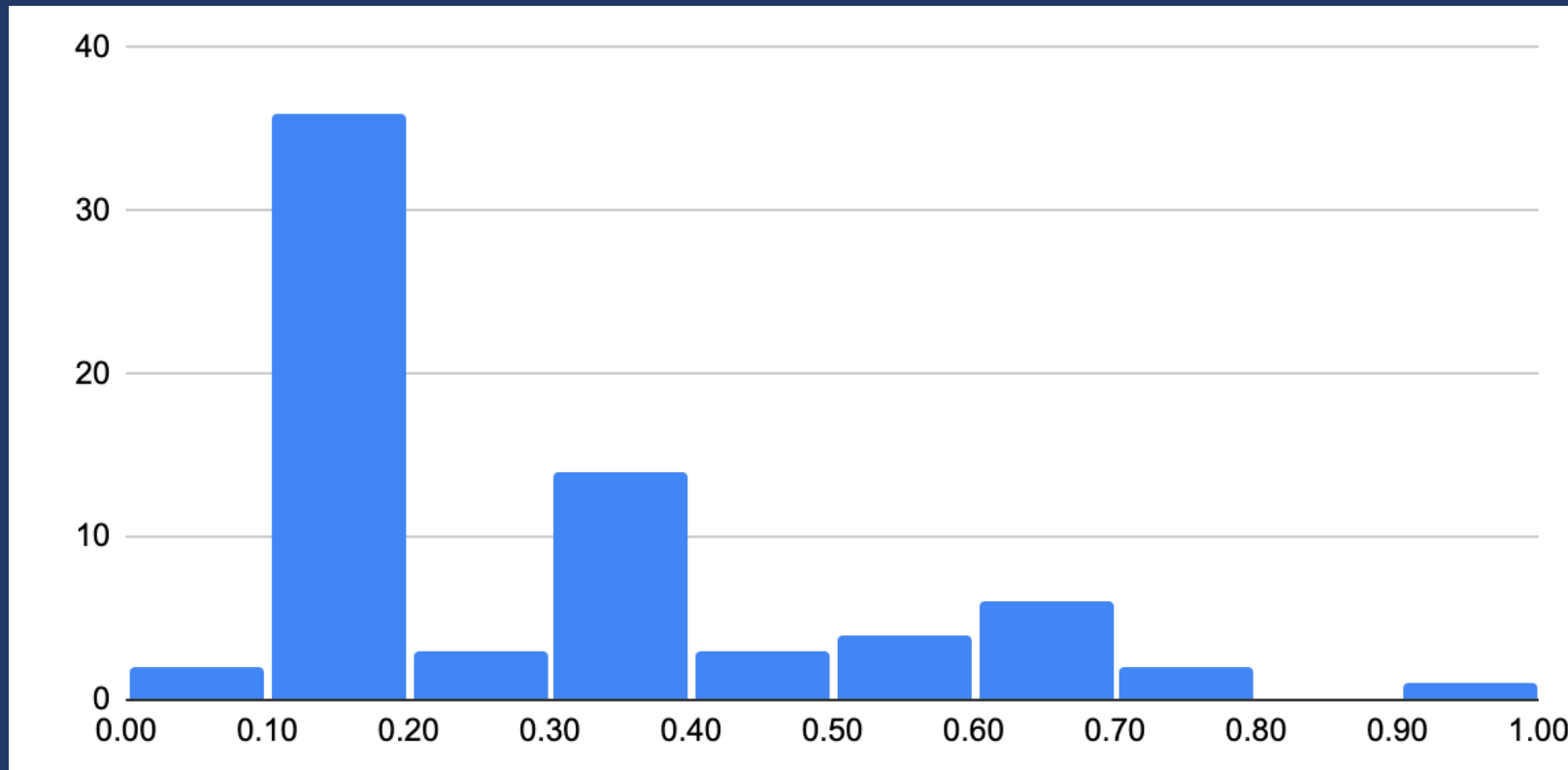


Mission Score



Technical Score

# Detailed Mission Stats: Overall



# Next Year...



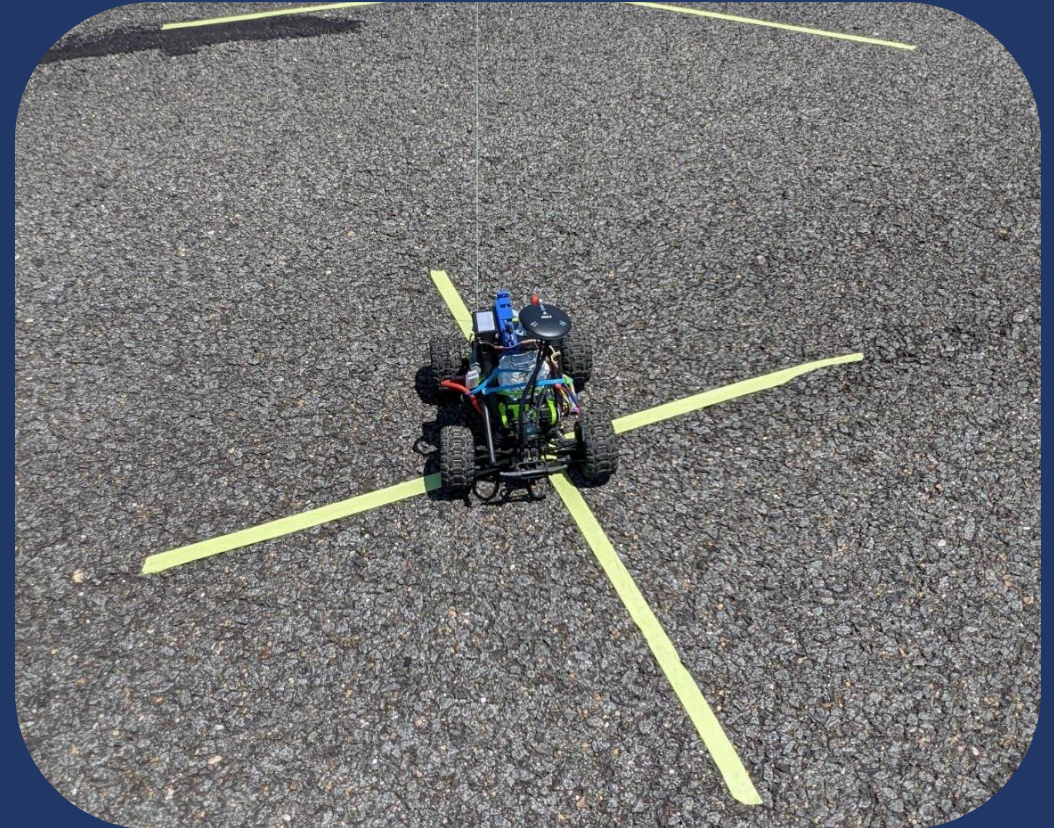
- Looking for input & feedback
  - St. Mary's Airport?
  - Air to Air Combat?
  - Contested Air drop?
  - Date TBD?
  - Gonna drop the Interop
  - 3 schools at a time?



# Quotes & Other Notable Things



So, Did King Fahd  
hit the target for  
the Air Drop?



So Did the Thai Military  
guys get around the  
GIANT

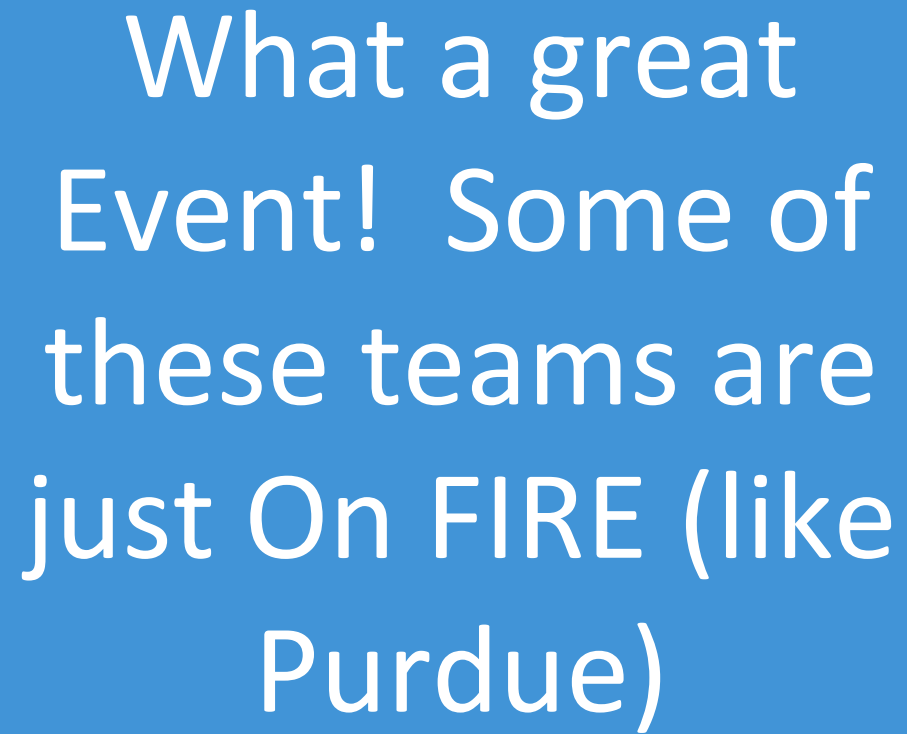
X

with their UGV?



Is Tom Sanders (yeah,  
that is me) the worlds  
worst SUAS Judge of all  
time?  
(two thumbs up for a  
yes)





What a great  
Event! Some of  
these teams are  
just On FIRE (like  
Purdue)

**MISSION DEMOS HAVE STARTED AGAIN!**

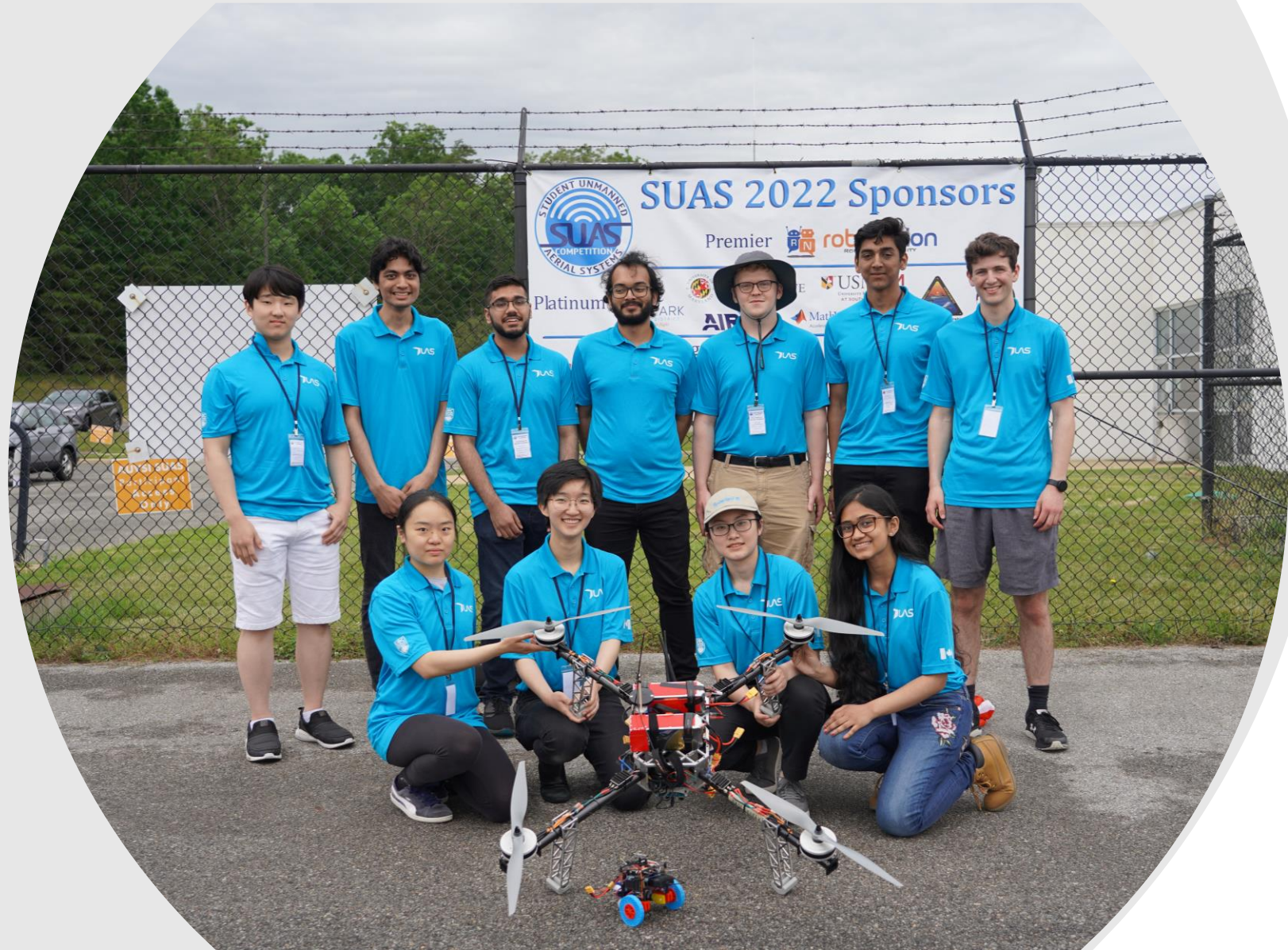


The 2022 SUAS Fashion  
Award goes to.....





# The Real Fashion Award!

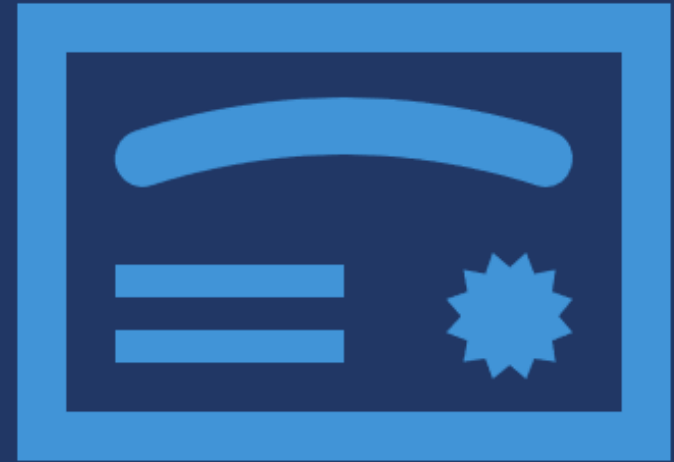


Were there any significant changes since the last competition?



**May 28<sup>th</sup>, 2022**

Now, on to the  
good stuff  
(AKA Cash & Prizes)



Total Awards and  
Scholarships

\$20,500

# Special Awards

## Dawn Jaeger Tenacity Award *MS Ramaiah Institute of Technology*

\$500

---

Very, very tenacious. This team would not give up:

- Replaced server wiring a huge challenge
- Aircraft lost in airline luggage
- Worked extremely hard with us allowing extra time to take-off
- Got airborne and under auto, 1 minute later loss of control to crash



# Special Awards

## Dr. Arthur Reyes Safety Award

*University of Cincinnati*

\$500

---

Vests for all team members

Used hand signals

Outstanding communication



# Special Awards

## JustJoe Sportsmanship Award *King Fahd University of Petroleum and Minerals*

\$500

---

They were eager to help every team that needed it and readily provided parts and knowledge to others.



# Special Awards

## Most Innovative Award

*Cornell University*

\$500

---

Attempted a VTOL quad-plane, that could transition to forward flight... crashed prior to the competition, but I am sure they will be back!





# Rankings



# 10th Place



- Middle East Technical University
  - Technical Design: 2
  - FRR Presentation: 7
  - Mission Demonstration: 12

# 9th Place



- University of Cincinnati
  - Technical Design: 4
  - FRR Presentation: 27
  - Mission Demonstration: 9

# 8th Place



- Cornell University
  - Technical Design: 34
  - FRR Presentation: 10
  - Mission Demonstration: 8

# 7th Place



- Boğaziçi University
  - Technical Design: 37
  - FRR Presentation: 3
  - Mission Demonstration: 7

# 6th Place



- Virginia Tech
  - Technical Design: 38
  - FRR Presentation: 8
  - Mission Demonstration: 6

Best In Class

Technical Design

*École de technologie supérieure*

\$1,000





5<sup>th</sup> Place

Technical: 16  
\$500

FRR: 22

University of California, San Diego  
Mission: 4





# Team Promotional Video

Triton Unmanned Aerial Systems  
2022



4<sup>th</sup> Place

Technical:	19
\$1,000	
FRR:	11
Flint Hill School	
Mission:	5





3<sup>rd</sup> Place

Technical: 23  
\$2,000

FRR: 13

Université de Sherbrooke

Mission: 3

# VAMUDES

2022





2<sup>nd</sup> Place

Technical: 24  
\$4,000

FRR: 14  
Mission: 2

Amador Valley High School





1st Place

Technical 21  
\$18,000

FRR: 1  
Navaminda

Mission: 1  
Royal Thai Air Force Academy



Best In Class

# Flight Readiness Review

*Navaminda Royal Thai Air Force Academy*

\$1,000



Best In Class

# Mission Demonstration

*Navaminda Royal Thai Air Force Academy*

\$1,000





EGITIMEN SU



Rank	Name	Technical Design	FRR	Mission	Overall
------	------	------------------	-----	---------	---------