
This is a shared collaborative document. Please paste links you would like to share with everyone below. This will make it easier to distribute them to everyone and capture them for the meeting notes to be posted on the SRS website later this week. Drop your links into the appropriate sections below. Thank you!

Sophia Robotic Human: <https://www.youtube.com/watch?v=iKpUGY0z2CM>

Club Business:

We are soliciting ideas for the new website design to engage students in robotics, especially more advanced robots.

Goals:

- Easier to update and maintain it
- Easier to add new content and pages as needed
- Better more modern layout and functionality
- New content

Send ideas to [SRS](#) email address.

Round the Virtual Room sharing:

Greg shared about his robotic arm.

Presentation notes:

Link to Bob Cook's video: https://youtu.be/pBoKKd_AAZQ

Link to the Washington Clean Cars 2030 article:

<https://www.autoweek.com/news/green-cars/a35616508/washington-state-bill-ev-only-sales-by-2030/>

<https://hackaday.com/2021/01/26/cable-mechanism-maths-designing-against-the-capstan-equation/> The Capstan Equation tells us that, for a given holding tension on one side, the maximum amount of tension we can put on the other side of the cable without slipping is given by: $T_L = T_H 2^{\mu_s \theta}$ where:

- μ_s is the cable's coefficient of static friction
- θ is the total bend angle between your two tension vectors
- T_L and T_H are the magnitudes of each respective tension value.

<https://www.dprg.org/>

[10:28 AM] Bob Cook (Guest)

These are the 18" variety: <https://www.trafficsafetystore.com/traffic-cones/18#CR18>

18 inch Traffic Cones | Traffic Safety Store

JBC 18 inch traffic cones increase road visibility and help re-enforce highway safety around construction zones

<https://www.dprg.org/robocolumbus-competition-2021/>

DPRGclips <https://www.youtube.com/user/DPRGclips>

<https://vancouverroboticsclub.org/>

<https://mynorthwest.com/2802235/washington-solidifies-goal-end-sale-new-gas-powered-cars-2030/>

[11:01 AM] Robert (Guest)

<https://www.youtube.com/watch?v=yYUuWWnfRsk> Latest Boston Dynamics Robot

Vine Robots

<https://www.vinerobots.org/>

<https://youtu.be/qevlIQHrJZg>

Do you maintain a code library of published work using the platform? I'm curious about the robotic painting system:

<https://www.frontiersin.org/articles/10.3389/frobt.2020.580415/full>

[11:46 AM] James Newton

Github will host pretty much any code. Search by link to the robotarium. Or "Robotarium"

[11:46 AM] James Newton

<https://github.com/search?q=Robotarium>

A few notes / links on cable / wire robots:

<http://techref.massmind.org/techref/robot/wirebot.htm>

Robotarium Test Bed

<https://www.robotarium.gatech.edu/>

Useful Resources to add to website:

Other Clubs:

- Dallas Personal Robotics Group - <https://www.dprg.org/>
- Vancouver Robotics Club - <https://vancouverroboticsclub.org/>