DPRG RBNV Chat Record – December 26, 2023

Cooper Clem
7:35 PM
I've got a quick update on the controller, though I'm having network issues right now
Carl Ott
7:35 PM
Mike Brandon John Ray Cooper … Carl
Doug P.
7:37 PM
Gold Star for Mike W.
Carl Ott
7:37 PM
~7:36pm - MIke W showed TeleOp working with ROS on his Robot base - full environment up and running.
GOLD STAR for Mike!
Carl Ott
7:39 PM
Next Step - Mike will work on navigation and sensor stuff.
Carl Ott
7:41 PM
~7:40pm - Brendon showed a mini welder - designed for spot welding - e.g. building battery packs
Brendon Holt
7:42 PM
https://www.amazon.com/dp/B0BV6KVTNZ/?coliid=I2XWYFLZFCRWXX&colid=3UTXCPKBJ6L3O&ref_=list_c_wl_lv_ov_lig_dp_it&th=1
Carl Ott
7:43 PM
also raised a question - can SSH to all his PIs, and can VNC if he's connected previously - but couldn't connect from a fresh boot
He's using Ubuntu.
Mickey Dean
7:46 PM
RealVNC is cloud based.
Mickey Dean
7:48 PM
RealVNC has a few advantages over tightVNC.
Carl Ott
7:51 PM
~7:50pm - John K showed some fun projects from Thingiverse.
Carl Ott
7:54 PM
https://perinim.github.io/projects/rotary-pendulum-rl/
Carl Ott
7:57 PM
I must step away for a work meeting - I hope to be back soon.
Please keep going - here's the queue coming up:
Ray, Cooper, (after come back online) Carl
Carl Ott
7:58 PM
~7:58pm - Ray showed progress first with his hoverboard wheel platform...
John K
7:59 PM
eight=wheeled platform
https://www.thingiverse.com/thing:6390309
John K
8:00 PM
rotary pendulum to make it perform a swing-up and balance task.

https://www.thingiverse.com/thing:6377165
John K
8:01 PM
Momy-Desk-Robot
https://www.thingiverse.com/thing:6337873
Cooper Clem
8:10 PM
https://www.youtube.com/watch?v=qF0BHnmi9j8
Mickey Dean
8:11 PM
533MHz perhaps?
Mickey Dean
8:14 PM
like a localhosts file
Mickey Dean
8:21 PM
All my code comments could start with that Cooper.
Brendon Holt
8:28 PM
https://www.amazon.com/dp/B09N72FMH5/?coliid=I3RAT9OXCR4O8P&colid=3UTXCPKBJ6L3O&ref_=list_c_wl_lv_ov_lig_dp_it&th=1
Cooper Clem
8:31 PM
https://hackaday.com/2016/03/18/hacking-the-raspberry-pi-wifi-antenna-for-more-db/
Cooper Clem
8:34 PM
https://www.google.com/url?sa=i&url=https%3A%2F%2Fwww.amazon.com%2FAdapter-Wireless-Network-External-OS10-6-10-13%2Fdp%2FB019SRBUNG&psig=AOvVaw3cg_USjYSrNAcEfbQdIa6G&ust=1703730775260000&source=images&cd=vfe&opi=89978449&ved=0CBQQjhxqFwoTCIC2jfTJroMDFQAAAAAdAAAAABAE
Mickey Dean
8:38 PM
John is on a different screen than he is showing.
Doug P.
8:38 PM
Rpi 5 vs. Orange 5B vs Orange 5 Plus: https://picockpit.com/raspberry-pi/raspberry-pi-5-vs-orange-pi-5-plus-vs-rock-5-model-b/
Doug P.
8:42 PM
How to add external antenna to Rp4: https://www.youtube.com/watch?v=MTwWnZG8wUY
Mickey Dean
8:44 PM
gauntlet down!
ed mart
8:55 PM
Dallas North,,,way,north
Mike Williamson
8:56 PM
Pi4 external antenna mod video https://www.youtube.com/watch?v=MTwWnZG8wUY
Doug P.
8:56 PM
Pat and Tom are planning to do remote 6-Can competition in May.
Mickey Dean
8:56 PM
DPRG-North Pole
Carl Ott
8:56 PM
DPRG International
~8:56pm - Doug shared an RPLIDAR C1

Doug P.
9:01 PM
Slamtec RPLidar C1: https://wiki.slamtec.com/display/SD/Overseas+Help+Center
Brendon Holt
9:02 PM
WaveShare d500 Lidar:
https://www.waveshare.com/d500-lidar-kit.htm
Doug P.
9:03 PM
RPLidar Software, Manuals, Specs, etc: https://wiki.slamtec.com/display/SD/Overseas+Help+Center
Brendon Holt
9:03 PM
Tank base:
https://www.waveshare.com/ugv01.htm
Carl Ott
9:08 PM
1-bit DIY Computer ⌊ amusing ⌊ https://www.techspot.com/news/101286-out-japan-ultra-low-end-1-bit-diy.html
Spinning Guitar Neck ⌊ Not terribly robot related ⌊ Interesting project & Electro-Mechanics ⌊
https://youtu.be/p2kJMPfFOX8?si=qlAofS0K6-ce8sw3
Carl Ott
9:09 PM
Flow Batteries with nano-particle fluids ⌊ Cool article on a new implementation of an old idea ⌊ Lots of promising
features ⌊ Much greater potential than our current LiPo o Energy Density o Safety o Cycle Life ⌊
https://spectrum.ieee.org/flow-battery-2666672335
Carl Ott
9:15 PM
very handy laptop / computer tool https://www.hwinfo.com/
HWiNFO64
ed mart
9:15 PM
Dry ice
ed mart
9:18 PM
Find same laptop, swap HD.
Carl Ott
9:19 PM
Ed- yeah that also...
Ponder SomeMore
9:27 PM
nite