

## DPRG RBNV Chat Record September 26, 2023

Carl Ott

7:33 PM

Queue for tonight

Doug D Pat Doug P Tom C

Carl Ott

7:35 PM

~7:33pm - Doug D gave an update on Steam Punk RoboDog... Used an unplanned drop-test to show that his robot mechanics is rather robust! Also showed a nice Bluetooth gamepad to use as a controller, to simplify away reliance on Wi-Fi and RealVNC...

Karim Virani

7:40 PM

I'm just listening and texting today.

Carl Ott

7:41 PM

~7:41pm = Pat showed a 2nd deck added to his rover as planned last week. Looking Good Pat!

Carl Ott

8:07 PM

~8:00pm ish - Doug talking about laser cutter learnings.

Reminder - I (Carl) can't attend consistently tonight - so please keep an eye to the queue and keep things rolling.

Carl Ott

8:08 PM

Also - it would really help if somebody could add topic notes to this chat for our online records.

Carl Ott

8:09 PM

Reminder - Queue for tonight Already done Doug D Pat Doug P Next in queue Tom C Open mic

Carl Ott

8:16 PM

~8:15pm - Doug P showed his CNC project - which was his build in last week - with an enclosure to keep metal dust from getting everywhere.

Karim Virani

8:18 PM

There was a lengthy discussion of cutting characteristics of CO2 lasers vs stacked diode.

I was just reporting on your discussion.

We have a conflict for Nov 18<sup>th</sup>.

7 photons

8:20 PM

I've got an interesting class project you all might want to hear about.

Carl Ott

8:21 PM

~8:19pm - Doug D showed RoboDog Rolling -> GOLD STAR!

Carl Ott

8:23 PM

~8:22pm = Tom C shared lessons from Quadrature Encoders

Mike Williamson

8:36 PM

Carl put 7 in the queue.

Paul Bouchier

8:43 PM

Tom C showed his balancing robot with hand-made encoders. He reports it balanced but not well.

Carl Ott

8:52 PM

~8:50pm - Jack told about a college robot competition that he's getting into... Mentioned that it uses an ArduPilot.

Paul Bouchier

8:54 PM

It's a drone that flies above ground-based robots and drops water on them. :-)

Ted Meyers

8:57 PM

link: [https://www.getfpv.com/hex-pixhawk-2-1-the-cube-orange-standard-set-ads-b.html?utm\\_source=google&utm\\_campaign=DM+-+NB+-+PMax+-+Shop+-+ALL+%7C+General&utm\\_medium=cpc&utm\\_content=pmax\\_x&utm\\_keyword=&utm\\_matchtype=&campaign\\_id=20195335615&network=x&device=c&gc\\_id=20195335615&gclid=CjwKCAjwgsqoBhBNEiwAwe5w0zERKMIIoRxO1QwNkr2eDOnVqoyeQOGY1RNixYwJQjeGnFQnnU95qBoCX-sQAvD\\_BwE](https://www.getfpv.com/hex-pixhawk-2-1-the-cube-orange-standard-set-ads-b.html?utm_source=google&utm_campaign=DM+-+NB+-+PMax+-+Shop+-+ALL+%7C+General&utm_medium=cpc&utm_content=pmax_x&utm_keyword=&utm_matchtype=&campaign_id=20195335615&network=x&device=c&gc_id=20195335615&gclid=CjwKCAjwgsqoBhBNEiwAwe5w0zERKMIIoRxO1QwNkr2eDOnVqoyeQOGY1RNixYwJQjeGnFQnnU95qBoCX-sQAvD_BwE)

to code

Ted Meyers

8:58 PM

I mean to cube pilot

Karim Virani

9:17 PM

nothing new

just conflicts with Nov 18

maybe remote

Pat Caron

9:21 PM

[https://www.amazon.com/D-FLIFE-VL53L0X-Distance-Measurement-Breakout/dp/B0C6WZFZSX/ref=sr\\_1\\_3?crid=3LEQHR9JEMR82&keywords=vl53l0x&qid=1695781281&srefix=vl53l0x%2Caps%2C125&sr=8-3](https://www.amazon.com/D-FLIFE-VL53L0X-Distance-Measurement-Breakout/dp/B0C6WZFZSX/ref=sr_1_3?crid=3LEQHR9JEMR82&keywords=vl53l0x&qid=1695781281&srefix=vl53l0x%2Caps%2C125&sr=8-3)

Karim Virani

9:24 PM

<https://www.dfrobot.com/product-2536.html>

Doug Paradis

9:25 PM

Pololu distance sensor w/ pulse width output: <https://www.pololu.com/product/4071>

Karim Virani

9:28 PM

adios