

## DPRG RBNV Chat Record – 6/1/2021

**Note:** You is Carl Ott

You

8:03 PM

Gonna try taking 'index' notes during the meeting - so that we can revisit points in the recording.

~ 25 min in - Larry S demoed a very expressive facial robot

John Gauthier

8:05 PM

You need to change your audio settings back.

ed mart

8:13 PM

Thank you Larry

You

8:15 PM

~ 40 min in - Ted M shared update of his custom outdoor rover

You

8:20 PM

~45 min in, Chris N showed latest item from recycling center - a Neato floor vac

You

8:38 PM

circa 8:35pm - prior DPRG member James hosts this site - with a focus area on

LiDar <https://www.getsurreal.com/product-category/electronics/lidar-controllers/>

<https://www.getsurreal.com/product-category/electronics/lidar-sensores/>

You

8:47 PM

~ 8:43pm - Harold shared "Micromouse 2019 Robotrace" - interesting looking line following contest likely from Japan

Harold Pulcher

8:53 PM

[https://www.youtube.com/watch?v=sjz6M\\_6mUxE](https://www.youtube.com/watch?v=sjz6M_6mUxE)

You

9:04 PM

~ 8:55pm - Carl question on motor voltage ratings and observation on bad servos

9:03 Ian P - talked about "v-tail mixer" and some cheap speed controls to do a skid steer robot

Chris N

9:16 PM

Need to call it a day... Talk to you all next week!

Pat Caron

9:17 PM

ME too... Have a good week

Ian Potter

9:21 PM

sorry, i've got to roll. catch you all next week.

You

9:22 PM

~ 9:20pm - Ray showed new safety feature for his platform

Michael Kennedy

9:27 PM

Very Interesting... Have to log out now. Thanks and Good Night All!

Ray

9:29 PM

on banggood item number 1239769

You

9:29 PM

~9:26 - John K - showed robot platform with continuous rotation servos

You

9:30 PM

9:29pm Ray shared link to his favorite LORA module - via Banggood [https://www.banggood.com/2Pcs-LILYGO-TTGO-LORA32-915Mhz-ESP32-LoRa-OLED-0\\_96-Inch-Blue-Display-bluetooth-WIFI-ESP-32-Development-Board-Module-With-Antenna-p-1239769.html?cur\\_warehouse=GWTR&rmmnds=search](https://www.banggood.com/2Pcs-LILYGO-TTGO-LORA32-915Mhz-ESP32-LoRa-OLED-0_96-Inch-Blue-Display-bluetooth-WIFI-ESP-32-Development-Board-Module-With-Antenna-p-1239769.html?cur_warehouse=GWTR&rmmnds=search)

~9:30- Murray shared robot platform update

You

9:33 PM

~9:32- John G shared update- custom motor driver board - with updates after last weeks' discussion / ideas to protect motor (where motor had more torque than gearbox)

You

9:42 PM

~9:41pm - Doug P shared an interesting instructables writeup on ultrasonic <https://www.instructables.com/ultrasonic-mono-pulse-tracker/>

Harold Pulcher

9:46 PM

thinking i have brought enough chaos for the week. :) l8e programs!

doug paradis

9:49 PM

An interesting tracker project using two ultrasonic sensors:

Sensor mod: <https://www.instructables.com/Arduino-Analog-Ultrasonic-Radar/>

Tracker: <https://www.instructables.com/Ultrasonic-Mono-Pulse-Tracker/>

You

9:53 PM

here's a tracker project using Time of Flight sensors <https://www.instructables.com/Build-This-TinyLiDAR-Follow-Me-Demo/>

here's a 2 axis tracker project with 3 time of flight sensors <https://www.instructables.com/Build-This-Follow-Me-2-Sketch/>

You

9:54 PM

Note that TinyLiDAR has sponsored DPRG <https://microed.co/tinylidar/>

You

10:03 PM

~10:02 David A- showed video using 2 sonars (on his SR04 robot), to scan for cans

John Kuhlenschmidt

10:11 PM

<https://www.thingiverse.com/thing:1583399>

You

10:11 PM

Thanks John -cool 4 wheel rover concept...

Doug Dodgen

10:12 PM

This is what I am thinking of doing

sometime. <https://www.bing.com/videos/search?q=mars+rover+rocker+bogie&docid=608008476864051239&mid=93A691EE586CFEF410A293A691EE586CFEF410A2&view=detail&FORM=VIRE>

You

10:18 PM

10:17pm - John G- showed a 'pill bottle' scanner

You

10:31 PM

if you want to do a 6 wheel 'kid friendly' rover build - here's a pretty serious option... [https://www.youtube.com/watch?v=E\\_6e71BJOzM](https://www.youtube.com/watch?v=E_6e71BJOzM)