DPRG RBNV Chat Record – July 11, 2023

Jim F - CalgaryAB
7:37 PM
Hello Harold & Y'All.

Carl Ott
7:41 PM
~7:38pm - Mike W shared background on an ESP board application - using the ESP C6 and a new protocol "Matter"
https://en.wikipedia.org/wiki/Matter_(standard)

You
7:51 PM
https://www.youtube.com/watch?v=VPMvnzmuTOw

Carl Ott
7:51 PM
~7:50pm - Doug shared a sale (Creality Ender V3 for $99) - but both available units were sold by the time he started to show it).

Carl Ott
7:53 PM
Then Doug showed some YouTube "How To" items - using Fusion 360 to create a wooden boxy via milling, and another video to learn to use FreeCad.

You
7:53 PM
https://www.youtube.com/watch?v=rglvJH9z5ng

Carl Ott
7:54 PM
Doug also shared progress with a 3D milling machine.

Jim F - CalgaryAB
7:59 PM
@Carl Ott, I am switching devices.

Carl Ott
8:19 PM
~8:18pm - Scott gave feedback on some Time-of-Flight sensor evaluations he's been doing...

Scott Gibson
8:36 PM
VL53L1X

Mike Williamson
8:38 PM
I need to go lay down now. See y'all next week.

Carl Ott
8:39 PM
Reminder - BLACK STAR for Doug

Carl Ott
8:47 PM
~8:41pm - Ray describing a recent CNC journey. Also discussed findings for various cellular data radio modules

Carl Ott
8:54 PM
~8:53pm - Pat shared a few things - a Raspberry Pi robot mower.

Pat Caron
8:54 PM
https://www.tomshardware.com/news/raspberry-pi-mower-mows-your-yard

Carl Ott
8:55 PM
Pat also had a question - has anybody tried to use a Raspberry Pi for more real time stuff - reading encoders directly...

Carl Ott
9:09 PM
Pat also raised a discussion about using Raspberry Pi for more real-time things - the group discussed different approaches to handle scenarios sensitive to latency and jitter (which often suffer e.g. from Linux timing uncertainty). I need to step away for a couple minutes -
I need to step away for a couple minutes - next in queue:

Carl Ott
9:10 PM

I need to step away for a few minutes – Next in queue: Harold John Carl Open Mic
I need to step away for a few minutes – Next in queue: Harold John Carl Open Mic
wow sorry - my chat window is out of sync...
Harold Pulcher
9:23 PM
https://www.vcfsw.org/
Carl Ott
9:25 PM
~9:23pm - Harold described going to the Vintage Computer Festival Southwest....
Harold Pulcher
9:29 PM
https://www.youtube.com/watch?v=N5MKMnln8Rc
Carl Ott
9:35 PM
~9:32pm - Harold showed a jig he can use to test & calibrate different sensors such as Flow sensors... - Clever design...
Jim F - CalgaryAB
9:47 PM
@Harold, I 2nd the Emotions, but ..... D I Y workarounds.
Carl Ott
9:58 PM
~9:56pm - John K shared some estuff.
johnk
9:58 PM
https://www.thingiverse.com/thing:6113753
Carl Ott
10:00 PM
"Instagrasp V1.0" - a cool and capable looking gripper
johnk
10:00 PM
https://www.thingiverse.com/thing:6088938
Carl Ott
10:00 PM
caveats for Ninja flex - printers need good capabilities e.g. direct drive
iel. direcf extrusion
direct extruders
Self-propelled remote-controlled crawler platform with delta caterpillars
Carl Ott
10:06 PM
~ Carl shared a couple Distractions 1. What happens when you cross a Blink LED project with Las Vegas ♣ https://www.slashgear.com/1336606/technology-las-vegas-msg-sphere-explained/
Carl Ott
10:12 PM
2. Pop Quiz ♣ According to American airlines baggage policy - carry-on and checked items ♣ who thinks these should be allowed? • Light Saber (allowed in carry-on or checked) • Magic-8 Bal (not allowed in carry-on, IS allowed in checked)
Unknown
10:14 PM
1000 drones July 4 demo - https://www.youtube.com/watch?v=zdOTV2RH9IY
Carl Ott
10:15 PM
~10:14pm - Dave Ackley shared the latest Guinness Record for Drone based 4th of July show
Carl Ott
10:18 PM
~10:17pm - Doug D showed progress with his SteamPunk RoboDog.