

## DPRG RBNV Chat Record – 05/10/22

Carl Ott

7:39 PM

14 May 11:30am – DPRG ~Monthly for Dallas Locals Ad-Hoc Lunch Gathering / Babe's Chicken Dinner

House / Old Downtown Carrollton RSVP Here -> <http://evite.me/5UrMQDWdrB>

18 June 2022- DPRG RoboRama 2022 <https://www.dprg.org/roborama-2022/>

20 Aug 2022 (Tentative Date 2022 May 10- DPRG RBNV)- DPRG

RoboColumbus <https://www.dprg.org/robocolumbus-2022/>

Carl Ott

7:44 PM

~7:409pm - Pat showed progress on his Wooden Monster robot - practicing 4-square in a local rec center

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**GOLD STAR for Pat!**

~7:44pm - showed a paper with measurements - approx 3/8" out of optimal!

Carl Ott

7:45 PM

noticeable variance between clockwise and counter-clockwise runs around the cones...

think have wheel spacing and wheel diameter issues. Was pure odometry - no gyro...

Carl Ott

7:48 PM

Pat Found & is using a great writeup by DPRG member Paul Bouchier <http://dprg.org/calibrating-your-robot-using-umbmark>

Pat Caron

7:49 PM

<https://www.dprg.org/calibrating-your-robot-using-umbmark/>

Jim F - CalgaryAB

7:49 PM

Will share my email with contact form. Can proxy through that if Pat prefers.

Jim F - CalgaryAB

7:52 PM

Thank You. @Carl & @Pat

Carl Ott

8:06 PM

~8:04pm - Deeper review of Pat's asymmetrical results - where driving clockwise gave a noticeably different error cluster from driving counter-clockwise

Ponder SomeMore

8:08 PM

"if you start off with a robot that's perfectly calibrated ...."

Carl Ott

8:09 PM

Karim - you're on a tear tonight - I need to sneak a word in about your contest rules comments earlier...

Ponder SomeMore

8:09 PM

there's only one person here that can start a sentence that way

Carl Ott

8:14 PM

~8:12pm - Ted - shared a finding with some Yellow Jacket findings. ted observed that the power line on those runs very close to the hall effect sensors...

Carl Ott

8:15 PM

Ted was wondering if motor power noise was coupling into the encoder sensors leading to some kind of observed jitter...

~8:15pm - Karim shared findings from his teams which use many of those - and that those motors use same (similar?) sensors as Rev

Carl Ott

8:29 PM

~8:28pm - John k - reposted upcoming contest 18 June 2022- DPRG RoboRama

2022 <https://www.dprg.org/roborama-2022/>

Carl Ott

8:31 PM

John also showed an interesting looking / very simple self-balancing

robot <https://www.instructables.com/Wheeled-Self-Balancing-Robot-With-Arduino-Uno-L293/>

Carl Ott

8:39 PM

Reposted for those who joined the call a little later - Upcoming casual event in Dallas this Saturday - 14

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Ponder SomeMore

8:43 PM

alternistors!=alrightmisters

Pat Caron

8:43 PM

<https://forum.digikey.com/t/standard-triacs-vs-alternistors-in-the-features/2497>

Carl Ott

8:48 PM

another item for the way-back studio <https://digg.com/video/this-1992-commercial-for-microsoft-excel-where-people-had-their-minds-blown-by-spreadsheet-technology-is-hilarious-in-retrospect>

Carl Ott

8:53 PM

~8:52pm - Doug D mentioned findings about the latest Roomba - the Create version is designed to be programmed. The Roomba 7 has apparently been consciously designed to prevent hacking into it...

ed mart

8:53 PM

Chris N hacked neat vac.

Carl Ott

8:54 PM

As noted on the dprglist - David shared this cool find: For those looking for a cheap pre-built platform, this seems to offer a lot for \$180:

<https://www.robotshop.com/en/moorebot-scout-ai-powered-autonomous-mobile-robot.html>

ed mart

8:56 PM

<https://www.govdeals.com/index.cfm?fa=Main.Item&itemid=138&acctid=7768>

Carl Ott

9:19 PM

~9:19pm - Harold received his Pokit-PRO Bluetooth oscilloscope voltmeter...

Carl Ott

9:36 PM

~9:33pm - Harold mentioned the "Framework Laptop" - seriously built for user configurability & maintenance - <https://frame.work/>