

DPRG RBNV Chat Record – February 14, 2023

Carl Ott

7:53 PM

~7:50pm - Michal I showed his robot progress.

Michael Ivison

7:54 PM

<https://www.youtube.com/watch?v=CWII7vOm6Yg>

Carl Ott

7:55 PM

That video shows Michaels robot running straight for some feet ->>> GOLD STAR for Michael!

This video shows out and back - driving in a straight line, turning 180 and returning to go!

Michael Ivison

7:56 PM

https://wiki.dfrobot.com/Micro_DC_Motor_with_Encoder-SJ01_SKU_FIT0450

Carl Ott

7:57 PM

Michael also had a laser pointer on the robot - which showed a quite straight run

John Gauthier

8:00 PM

Here's a good reference for PID control code written in C:

<https://www.phidgets.com/?view=articles&article=DcMotorsPidControl>

Ted Meyers

8:09 PM

https://www.adafruit.com/product/4478?gclid=CjwKCAiA_6yfBhBNEiwAkmXy50DurUgijEMLCMDmfX1trNO6ghPE2Xp89h7JPWDTy7UEX3kCjdYlwXoCjhqQAvD_BwE

That is the openMV cam H7

Doug Paradis

8:10 PM

Another option is the DFRobot HuskeyLens: <https://www.dfrobot.com/product-1922.html>

Ted Meyers

8:10 PM

<https://openmv.io/products/openmv-cam-h7>

Carl Ott

8:19 PM

~8:18pm - Mike Williamson showed progress for his robot - with Mecanum wheels- and an Arduino Nano with Sense and BLE

Carl Ott

8:23 PM

Gold Star for Mike Williamson!

Carl Ott

8:25 PM

Mike's robot behaved well in the video- drove straight forward, backwards, diagonal... Seems he uses a combination of sensors to run straight - and a real time OS on the Arduino nano...

Carl Ott

8:31 PM

OpenCV has a new Kickstarter – A training class to drive AI Art generators

<https://www.kickstarter.com/projects/opencv/mastering-ai-art-generation>

Carl Ott

8:33 PM

Cool Lego / Infinite Domino Ring <https://boingboing.net/2023/02/08/jk-brickworks-makes-an-infinite-lego-domino-ring.html>

On the topic of Chick Magnets – A little something in the spirit of Valentine's Day WD-40 Perfume!

<https://www.odditycentral.com/news/finally-the-wd40-scented-perfume-youve-been-dreaming-of-has-arrived.html>

Carl Ott

8:35 PM

~8:34pm - Ted showed work on his outdoor robot - progress on the wheel and drive mechanism

Carl Ott

8:44 PM

BLACK STAR for Ted - Excellent Progress

Carl Ott

8:47 PM

~8:44pm - Brady (has given many Arduino classes at Dallas Makerspace). Recently rejoined DPRG. Described a kind of robot club he's managing for family.

<https://www.dprg.org/dprg-members/>

Pat Caron

8:56 PM

Saves me 24hrs of commuting!

Carl Ott

9:02 PM

~8:50pm - discussion on in-person plus virtual meetings. ONE request surfaced - if we have a month without a formal presentation - let's use that meeting time to meet in person at the Makerspace...

~9:02pm - Ray gave an impromptu demo of the OpenMV Cam IDE

Pat Caron

9:14 PM

See you in a couple of weeks!

You

9:26 PM

~9:26pm - open mic started - Doug led with an offering from Element 14 "Exploring Software Defined Radio" on Pi

Doug Paradis

9:26 PM

PDF for Software Radio on PI: <https://community.element14.com/e14/assets/main/ebooks/exploringsdreBook.pdf>

Doug Paradis

9:29 PM

AI Art Kickstarter: https://www.kickstarter.com/projects/opencv/mastering-ai-art-generation?utm_source=opcv&utm_medium=email&utm_campaign=ks23