

DPRG RBNV Chat Record – 3/29/2022

Carl Ott

7:41 PM

Jesse Brockmann presents information on team Midwest Rovers entry in the 2021 OpenCV Spatial AI Contest. (<https://opencv.org/opencv-spatial-ai-contest/>) He will provide details about his Lego rover build, setting up training data, training the AI, using the AI results, and finally putting all the pieces together. Jesse will also share some details about his next rover designed to compete in F1Tenth. (<https://f1tenth.org/>)

Carl Ott

7:44 PM

~7:43: Doug mentioned & showed a recent announcement by the Donkey Car group - a first major release in some months, including also a custom PC Board to facilitate electrical hookup and assembly

Doug P.

7:47 PM

new version of Donkey Car s/w released (ver4.3.6). Link to GitHub:

<https://github.com/autorope/donkeycar/releases/tag/4.3.6>

Carl Ott

7:48 PM

<https://www.donkeycar.com/>

Pat Caron

8:03 PM

I installed ROS as follows: Raspbian OS with ROS Noetic <https://varhowto.com/install-ros-noetic-raspberry-pi-4/> Raspbian is easy to boot from USB from SSD I used this SSD adapter:

https://www.amazon.com/gp/product/B0716JKJ68/ref=ppx_yo_dt_b_asin_title_o00_s00?ie=UTF8&th=1

Paul Bouchier

8:06 PM

Analog Devices ToF sensor seminar: <https://aspencore.omeclk.com/portal/wts/ucmcmrfw7-Legysg6j0jt26jSovEjd>

Doug P.

8:18 PM

Feed and Speed phone app: FSWizard Lite.

7 photons

8:18 PM

https://walabot.com/diy?display=devices&msclkid=cb84ccdd88ba17de44c0ae9e27159e50&utm_source=bing&utm_medium=cpc&utm_campaign=walabot_brand_kws_us_ca_02112021&utm_term=walabot%20com&utm_content=walabot_brand_kws_us_ca_02112021_exact

ed mart

8:25 PM

Canadian snow fence ?

7 photons

8:35 PM

<https://www.cargill.com/story/meet-the-cowboy-robot-thats-making-cattle-herding-safer>

Pat Caron

8:36 PM

Thanks guys, I have an early morning!

Ross Murphy

8:37 PM

<https://gist.github.com/Redstone-RM/0ca459c32ec5ead8700284ff56a136f7>

Ted Meyers

8:39 PM

found an electric fence website that claims that bull horns do not conduct well. It said to put a chain on the bull's head

7 photons

9:03 PM

I've got to go, guys next week.

Carl Ott

9:59 PM

~9:57pm - John K showed a pretty cool two wheel robot <https://www.thingiverse.com/thing:5334670>

Carl Ott

10:00 PM

John also showed this interesting looking robot with similar design

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

Carl Ott

10:11 PM

~10:11- John G showed a quick mock-up of OpenCV based on his license plate monitor against sample fence images -> something for Pat

Chris N

10:21 PM

time for me to bow out.... goodnight

Carl Ott

10:23 PM

~10:22pm- Paul B - question about BNO055 data samples... comparing expected readings / measure of linearity at 90-degree increments...