DPRG RBNV Chat Record – Mar 12, 2024

Pat C
7:45 PM
Unfortunately, I will not be able to attend the Mar 23rd meeting.

Carl Ott
7:46 PM
2024 March 23 - Saturday Hybrid IN-Person and Virtual meeting-
https://calendar.dallasmakerspace.org/events/view/21470
When Sat Mar 23 10am — 2pm Where Classroom - North Lobby 1825 Monetary Ln #104 Carrollton, TX 75006 What Calling All Autonomous Robot Enthusiasts & Builders - Bring Your Bots for DPRG's monthly Show, Tell & Run! 23 March - Kabam security Robotics demonstration

Carl Ott
7:47 PM
https://kabam.ai/

Mickey Dean
7:48 PM
looks like it can't navigate steps though.

Jim F - CalgaryAB
7:50 PM
Hello from Warm and Sunny Calgary Alberta Canada!

Carl Ott
7:50 PM
welcome Jim!

Paul Bouchier
7:50 PM
Mike W: Odometry pod not working.

Jim F - CalgaryAB
7:51 PM
Question for Paul: Can Ros2 Bags export TSV CSV files?

Carl Ott
7:51 PM
~7:50pm - Mike W - discussed his robot with Odometer pod wheels - somehow wasn't working so well so returned to regular wheels. Also - time of flight sensors - found blind spot right in front when grabbing a can...

Jim F - CalgaryAB
7:51 PM
Question for Paul: Can Ros2 Bags export TSV CSV files?

Paul Bouchier
7:51 PM
JimF I don't know what TSV is but definitely not csv

Jim F - CalgaryAB
7:52 PM
TSV tab Separated Values.

Paul Bouchier
7:52 PM
No

Jim F - CalgaryAB
7:52 PM
CSV comma Separated Values.

Carl Ott
7:52 PM
Mike - now working on mapper for each sensors / learning how to translate from sensors to where robot is pointed

Carl Ott
8:02 PM
~8:01pm - Paul B - show and tell with a Pi-Dog - built in the last week.

Jim F - CalgaryAB
8:05 PM
GOLD STAR for Paul. ;-)

Carl Ott

8:26 PM
GOLD STAR for PAUL!
Carl Ott
8:28 PM
~8:26pm - Carl asked Doug D questions / how to take eclipse pictures...
Paul Bouchier
8:32 PM
Doug blew up Robodog's Arduino serial port.
Carl Ott
8:32 PM
Doug D -> suggests Fort Worth Camera / sells sheets of camera protector film, as well will have classes to take eclipse photo training classes on 14 March and 30 March https://fortworthcamera.com/
Jim F - CalgaryAB
8:34 PM
@ Carl Ott https://eclipseplus.ca/About/Team/
Carl Ott
8:34 PM
15 March class https://www.eventbrite.com/e/how-to-view-capture-the-eclipse-tickets-860877767577?aff=ebdsshcopyurl&utm-campaign=social&utm-content=attendeeshare&utm-medium=discovery&utm-source=&utm-term=organizer-profile&utm-share-source=organizer-profile
30 March class https://www.eventbrite.com/e/how-to-view-capture-the-eclipse-tickets-860878860847?aff=ebdsshcopyurl&utm-campaign=social&utm-content=attendeeshare&utm-medium=discovery&utm-source=&utm-term=organizer-profile&utm-share-source=organizer-profile
Paul Bouchier
8:41 PM
Doug P suggested to Doug D that when an Arduino dies it's usually the 5V linear regulator. Replace it to fix.
Paul Bouchier
8:51 PM
JimF, I stand corrected on converting data in a bag file to csv. Here's an answer. It's a bit of a hack but should work fine for simple topics: https://answers.ros.org/question/55037/is-there-a-way-to-save-all-rosbag-data-into-a-csv-or-text-file/
Carl Ott
8:56 PM
~8:54pm - Brandon Holt showed a Pi-5 running off of an M2 SSD - 1 TB
Brendon Holt
8:56 PM
https://www.amazon.com/gp/product/B0CPPGGDQT/ref=ppx_yo_dt_b_search_asin_title?ie=UTF8&psc=1
Doug Dodgen
9:05 PM
Got to go for tonight. See ya.
Carl Ott
9:10 PM
~9:07pm - Paul mentioned upcoming Seattle Robotics Society meeting - this Saturday 16 march online (10:00am Pacific Time) - https://seattlerobotics.org/calendar/ Bob Cook will discuss more about his SRS Robo-Magellan robot project, sharing about the telemetry system and testing that he created to help tune his robot's performance. The meeting will be recorded and later posted on our website and YT channel. The meeting will be ONLINE at 10:00am PT using ZOOM. Join Zoom Meeting HERE. -- M
~9:09pm -Paul P asked about the ESP32 DW1000 USB (UltraWideband) module - which could be good for range measurement.
Carl Ott
9:11 PM
measures distance using time of flight.
allegedly gives perhaps in practice 10cm range accuracy.
Jim F - CalgaryAB
9:14 PM
@ Carl Ott + @ Paul https://www.instructables.com/ESP32-UWB-Indoor-Positioning-Test/
Jim F - CalgaryAB
9:15 PM
Paul's Web Page he is viewing, link please.

Doug P.
9:17 PM
Pimoroni NVMe base for RPi5: https://shop.pimoroni.com/products/nvme-base?variant=41219587178579
Jim F - CalgaryAB
9:20 PM
Paul's Web Page he is viewing, link please.
Paul Bouchier
9:21 PM
https://how2electronics.com/getting-started-with-esp32-dw1000-uwb-ultra-wideband-module/
Jim F - CalgaryAB
9:21 PM
Thank you.
Carl Ott
9:21 PM
~9:20pm - Tom C shared findings from experiments with PID loop auto-tuning
Ted Meyers
9:23 PM
is anyone else getting a lot of echo tonight?
Jim F - CalgaryAB
9:24 PM
@ Ted I am getting some echo.
Pat C
9:24 PM
I can hear an echo.
Ray Casler
9:24 PM
Ray -me too ooo.ooo.o.o
Jim F - CalgaryAB
9:24 PM
Sorry @Doug
Please someone, un-mute Doug P.
Jim F - CalgaryAB
9:26 PM
@ Carl Ott My Apologies @Doug P. Please someone, un-mute Doug P.
Carl Ott
9:38 PM
~9:37pm - Tom C showed another robot in the works - another based-on Roomba...
Carl Ott
9:41 PM
~9:41pm - Pat C showed progress to get his motor driver working...
Carl Ott
9:42 PM
Tom -> I've muted you since your machine was giving echo.
Carl Ott
9:46 PM
Pat's demo was controlled from his hotel in Louisiana to his physical setup in Canada - -> using an application called Rust Desk. GOLD STAR - Pat ran his Arduino and PID loop remotely.
Carl Ott
9:48 PM
Correction -> this was a 1,600 KM live remote demo...