DPRG RBNO Chat Record for 9/8/2020

00:10:32.570,00:10:35.570
Steve Edwards: can also check out these touch displays
https://nextion.tech/

00:10:47.105,00:10:50.105
Steve Edwards: https://ubidots.com/blog/nextion-display-raspberry-pi-
ubidots/#:~:text=Now%2C%20wire%20up%20your%20Raspberry%20Pi%20according%2
0to,TX%20%20%20GND%20%20%20GND%20

00:11:11.298,00:11:14.298
Robots New Zealand: https://github.com/ifurusato/ros

00:11:25.117,00:11:28.117
Robots New Zealand: Look for references to flask or flask wrapper

00:11:49.124,00:11:52.124
Ponder SomeMore: nice to see ya Steve -karim

00:12:17.883,00:12:20.883
Steve Edwards: you too, its been a minute

00:15:43.122,00:15:46.122
Carl Ott: another alternative GUI (or commandline) option for Raspberry -
you could use Node Red, and a local-host- You can install 'dashboard'
and other pallets to node-red, which give really, really nice control &
display options. It has a little learning curve, but enables pretty
capable UI and lots of interface options... https://nodered.org/

00:20:28.196,00:20:31.196
Harold Pulcher: https://www.eventbrite.com/e/houston-techfest-2020-
tickets-117714624611

00:26:42.927,00:26:45.927
Harold Pulcher: http://pacmanblazor.azurewebsites.net/

00:32:12.914,00:32:15.914
Harold Pulcher: my twitch channel: https://www.twitch.tv/haroldpulcher

00:40:14.694,00:40:17.694
Ponder SomeMore: misbehavior based robots

01:01:17.540,01:01:20.540
Ponder SomeMore: yawl

01:03:09.177,01:03:12.177
Robots New Zealand: Adafruit BNO055 board
https://learn.adafruit.com/adafruit-bno055-absolute-orientation-sensor

01:04:09.339,01:04:12.339

Carl Ott: Murray and David - I bought one of those BNO055 a little while ago - it's getting to the top of my backlog - Thanks - I'm soaking up all your discussions

01:06:01.839,01:06:04.839
Robots New Zealand: BNO055 documentation & github library
https://readthedocs.org/projects/adafruit-circuitpython-bno055/downloads/pdf/latest/
https://github.com/adafruit/Adafruit_CircuitPython_BNO055

01:06:12.129,01:06:15.129
Robots New Zealand: It looks like the mode is documented in the PDF

01:08:43.919,01:08:46.919
David Ackley: https://www.youtube.com/watch?v=bG3rvkpDsdg

01:10:14.506,01:10:17.506
Robots New Zealand: https://www.8bitdo.com/

01:11:02.674,01:11:05.674
Robots New Zealand: N30 Pro
https://www.8bitdo.com/n30pro-2/

01:43:55.570,01:43:58.570
Robots New Zealand: Search results
https://www.st.com/content/st_com/en/search.html#q=446-t=products-page=1

01:53:25.850,01:53:28.850
Carl Ott: this is a nicely laid out motor driver & expansion board for a 4 motor / 4 encoder robot platform, pairs with an Arduino Mega

01:53:27.314,01:53:30.314
Carl Ott:
https://www.aliexpress.com/item/4000261831657.html?spm=a2g0s.9042311.0.0.30354c4dzz6xDo

01:54:18.010,01:54:21.010
Carl Ott: or you can consider their kit that includes a mega, a controller and some cables

01:54:18.667,01:54:21.667
Carl Ott:
https://www.aliexpress.com/item/4000423926527.html?spm=a2g0o.detail.1000060.3.34d650f43GC0uJ&gps-id=pcDetailBottomMoreThisSeller&scm=1007.13339.169870.0&scm_id=1007.13339.169870.0&scm-url=1007.13339.169870.0&pvid=9e99e1af-35d4-4dd1-ae35-6616dc7f871b&_t=gps-id:pcDetailBottomMoreThisSeller,scm-url:1007.13339.169870.0,pvid:9e99e1af-35d4-4dd1-ae35-6616dc7f871b,tpp_buckets:668%230%23131923%237_668%23808%233772%23929_668%23888%233325%235_668%232846%238115%23820_668%232717%237563%23555_668%2310
00022185

01:58:08.757,01:58:11.757

Carl Ott: Please fill out this survey

01:58:15.394,01:58:18.394
Carl Ott:
https://docs.google.com/forms/d/e/1FAIpQLSf3LuuIeVWTpm7DU9FvVmLS4Ky4HEX0V
MB_-HiIndckqmJ_aw/viewform?usp=sf_link

02:11:43.874,02:11:46.874
Ponder SomeMore: FYI: sideways component in mecanum is called strafe. I
never liked the term much, but that's what it's called by tens of
thousands of young roboticists, so if it's not the official term, it will
become a defacto term soon enough.

02:12:23.897,02:12:26.897
Carl Ott: jeez - an up an coming crop of jargonists...

02:12:39.430,02:12:42.430
Ponder SomeMore: last year about half of the robots ended up being
mecanum

02:13:11.014,02:13:14.014
Ponder SomeMore: we've done differential for the last two years, but did
mecanum the previous two