

## DPRG RBNV Chat Record – 10/20/2020

Jian Shi

7:40 PM

Cannot hear you guys

Carl Ott

8:01 PM

Jian - can you hear us now?

Jian Shi

8:01 PM

yes

Was using a vpn earlier, causing issue

You

8:17 PM

Harold, you might want to look at Mextion displays.

<https://nextion.tech/>

You

8:18 PM

\*Nextion (not Mextion)

Doug Dodgen

8:25 PM

<http://www.lattepanda.com/topic-f6t3143.html> shows two sets of pins on the latte one for the cpu and one for the arduino. Possibly they can talk to each other across these?

Robots New Zealand

8:52 PM

<https://nextion.tech/>

Ponder SomeMore

9:23 PM

We use i2c a lot. We have had problems with longer (>18") connections and learned we need to avoid those. But we have 8 independent i2c buses, so really don't run into the problem of one bad sensor taking out a bunch of others.

Ray

9:27 PM

the pyboard is an stm32f405 that runs micropython

Ponder SomeMore

9:50 PM

drunken master mode

Ponder SomeMore

10:00 PM

this is a sensing test - the error should be on the sensor side of the equation

Carl Ott

10:01 PM

Karim - sounds reasonable - and I think that's what Ron is talking about - having the noise / error being added in as part of the environment

Ponder SomeMore

10:03 PM

it sounded like the variability he was talking about was on the output motion of the virtbot

Carl Ott  
10:03 PM

maybe - but there could be issues with motor response right?

Ray  
10:05 PM

Ron wants you to balance on large ball while spraying you with a fire hose..

Chris N  
10:06 PM

In simulation - no problem!

Carl Ott  
10:22 PM

For all interested -

Carl Ott  
10:24 PM

latest version is this one - commit fe3367a

<https://github.com/ron-grant/LFS>

Ponder SomeMore  
10:29 PM

<https://github.com/ron-grant/LFS/commits/master>

Chris N  
10:30 PM

Jian - the commits are right under the green button

Ron Grant  
10:32 PM

<https://github.com/dprg>

points to carl not LFS

You  
10:33 PM

secretary@dprg.org

Chris N  
10:33 PM

I think Ron means <https://github.com/dprg/LineFollowerSimulation>

Ponder SomeMore  
10:35 PM

LFS looks great. I'm not sure I can recommend it to the younger roboticists just yet. It would probably need to be more stable. The sample robot is also a problem. I see the need for it but it's also a better solution than younger kids could come up with.