

## DPRG RBNV Chat Record – 4/13/2021

John Kuhlenschmidt

7:54 PM

<https://www.instructables.com/Speech-Controlled-Robot-Easy-Version/>

Ted Meyers

8:09 PM

Here is a guy who built a robot from a hoverboard: <http://twopotatoe.net/>

Harold Pulcher

8:10 PM

my friends... <https://www.facebook.com/BoopsieTheClown>

Karim Virani

8:11 PM

here is a link to my team putting a robot on a hoverboard. doesn't work well at all.

<https://www.youtube.com/watch?v=jF4k4JyzCfE>

You

8:26 PM

17 April- Virtual Judge Volunteer Opportunity Help Iron Reign host "Townview Remote Qualifier" FIRST competition Volunteer as a judge

here: <https://my.firstinspires.org/Volunteers/Wizard/Search/2?EventId=55158> 8am to 4pm time

commitment. You need to register on the national website. Great way to support the next wave of

enthusiasts. You don't need to leave your home. The entire event is on Zoom. The robot game intro is

here: [https://www.youtube.com/watch?v=zYS0--eeUCM&ab\\_channel=FirstUpdatesNo](https://www.youtube.com/watch?v=zYS0--eeUCM&ab_channel=FirstUpdatesNo)

You

8:27 PM

21 April- Hackster Presenter "BlindVia" PCB guy from Twitch Watch for Event

Here: <https://www.meetup.com/Hackster-DFW/events>

You

8:29 PM

NSFW: Politically incorrect Boston Dynamics Spot – Trained to fill a red solo cup with beer... <https://youtu.be/tgsy9Wtr1qE> Rated L for Language - but it's most amusing

You

8:31 PM

8 May- ExoMy – Mars Rover Model Special Guest Presenters from Europe – Miro & Max Learn about their ExoMy project <https://esa-prl.github.io/ExoMy/> The ExoMy is a programmable \$600 Mars rover you

can build yourself | Engadget (<https://www.engadget.com/esa-exomy-rover-221008299.html>) 12 June-

How to do navigation w/o making a map David Anderson Updated from compiled & published in the

Seattle Robotics Society some years ago 10 July- ??? Presentation Open Any Requests / Volunteers?

Outdoor Rov

Ray

8:39 PM

ti mmwave iwr6843aop eval boards

doug paradis

9:00 PM

The sunfounder 8 sensor I2C output line following sensor works goods. Outputs the linear value of each sensor and has a lamination adjustment. I haven't seen them available for a while, but you should check.

Dave Ackley

9:04 PM

sunfounder iic i2c line follower module 8 channel

Chris N

9:04 PM

So that sunfounder 8-ch i2c array is MUCH MUCH bigger than the Pololu QTR 8-ch. The size and positioning of my front caster wheel won't let me position the sunfounder array in such a manner that it is fully underneath my platform. I would have to let it stick out quite a bit...

Dave Ackley

9:05 PM

Yes it is much bigger

You

9:08 PM

Here's a handy chart - way to plan for power through different wire gauges [https://www.powerstream.com/Wire\\_Size.htm](https://www.powerstream.com/Wire_Size.htm)

You

9:09 PM

and corresponding charts for PCB traces <https://www.mclpcb.com/pcb-trace-width-vs-current-table/> with trace width calculator <https://www.4pcb.com/trace-width-calculator.html>

Dave Ackley

9:16 PM

<https://github.com/micropython/micropython-lib>

Pat Caron

9:24 PM

Thanks guys, see you next week

doug paradis

9:24 PM

Chris, here is what the sunfounder i2c 8 sensor line follower module looks like. However, I have not found one available in the recent past. I think they may be discontinued.

[https://www.amazon.com/SunFounder-Follower-Infrared-Detection-STM8S105C4/dp/B01HB5YVUG/ref=cm\\_cr\\_ar\\_p\\_d\\_product\\_top?ie=UTF8](https://www.amazon.com/SunFounder-Follower-Infrared-Detection-STM8S105C4/dp/B01HB5YVUG/ref=cm_cr_ar_p_d_product_top?ie=UTF8)

You

9:30 PM

[https://smile.amazon.com/gp/product/B07VSHR9M6/ref=ppx\\_yo\\_dt\\_b\\_search\\_asin\\_title?ie=UTF8&psc=1](https://smile.amazon.com/gp/product/B07VSHR9M6/ref=ppx_yo_dt_b_search_asin_title?ie=UTF8&psc=1)

Dave Ackley

9:31 PM

<https://github.com/micropython/micropython-lib>

Dave Ackley

9:32 PM

[https://www.microcenter.com/search/search\\_results.aspx?N=&cat=&Ntt=regulated+power+supply&searchButton=search](https://www.microcenter.com/search/search_results.aspx?N=&cat=&Ntt=regulated+power+supply&searchButton=search)

doug paradis

9:33 PM

Pololu is running an anniversary sale until end of April.

You

9:35 PM

here's a bench supply for \$54 [https://smile.amazon.com/LW-K3010D-Adjustable-Switching-Regulated-Spectrophotometer/dp/B07512KQDW/ref=sr\\_1\\_8?dchild=1&keywords=adjustable+bench+power+supply&qid=1618367594&sr=8-8](https://smile.amazon.com/LW-K3010D-Adjustable-Switching-Regulated-Spectrophotometer/dp/B07512KQDW/ref=sr_1_8?dchild=1&keywords=adjustable+bench+power+supply&qid=1618367594&sr=8-8)

DC Power Supply Variable,0-30 V / 0-10 A LW-K3010D Adjustable Switching Regulated Power Supply

Digital

Chris N

9:36 PM

Are logic probes still a thing?

They don't seem that popular anymore.

Harold Pulcher

9:37 PM

[https://www.newark.com/tenma/21-10115/soldering-station-esd-safe-60w/dp/56T2208?mckv=szcFgRlj3\\_dc|pcrid||plid||kword||match|e|slid||product|56T2208|pgrid|1228154698471571|ptaid|pla-4580359292364600|&mssckid=7009524134a2106ff84e323761c3259e&CMP=KNC-BUSA-GEN-Shopping-NewStructure-Tools-ProductionSupplies](https://www.newark.com/tenma/21-10115/soldering-station-esd-safe-60w/dp/56T2208?mckv=szcFgRlj3_dc|pcrid||plid||kword||match|e|slid||product|56T2208|pgrid|1228154698471571|ptaid|pla-4580359292364600|&mssckid=7009524134a2106ff84e323761c3259e&CMP=KNC-BUSA-GEN-Shopping-NewStructure-Tools-ProductionSupplies)

You

9:38 PM

decent looking soldering iron [https://smile.amazon.com/Electronics-Soldering-Portable-Auto-sleep-Thermostatic/dp/B0852XJN11/ref=sr\\_1\\_2\\_sspa?dchild=1&keywords=adjustable+soldering+iron&qid=1618367786&sr=8-2-](https://smile.amazon.com/Electronics-Soldering-Portable-Auto-sleep-Thermostatic/dp/B0852XJN11/ref=sr_1_2_sspa?dchild=1&keywords=adjustable+soldering+iron&qid=1618367786&sr=8-2-)

[spons&psc=1&spLa=ZW5jcnldGVkUXVhbGmaWVYPUeZVUpERDRTRk9GMzg0JmVuY3J5cHRIZEIkPUEwNDI4OTcyMk8zRVBYTEwyRzA0TyZlbnNyeXB0ZWRBZEIkPUEwMDAxMTg1MTVRRjdWWTVVV09HTSZ3aWRnZXROYW1lPXNwX2F0ZiZlZjY3Rpb249Y2xpY2tSZWRpcmVjdCZkb05vdExvZ0NsaWNrPXRyZWU=](https://smile.amazon.com/Electronics-Soldering-Portable-Auto-sleep-Thermostatic/dp/B0852XJN11/ref=sr_1_2_sspa?dchild=1&keywords=adjustable+soldering+iron&qid=1618367786&sr=8-2-spons&psc=1&spLa=ZW5jcnldGVkUXVhbGmaWVYPUeZVUpERDRTRk9GMzg0JmVuY3J5cHRIZEIkPUEwNDI4OTcyMk8zRVBYTEwyRzA0TyZlbnNyeXB0ZWRBZEIkPUEwMDAxMTg1MTVRRjdWWTVVV09HTSZ3aWRnZXROYW1lPXNwX2F0ZiZlZjY3Rpb249Y2xpY2tSZWRpcmVjdCZkb05vdExvZ0NsaWNrPXRyZWU=)

Digital Soldering Iron Kit- 110V 65W Portable Adjustable Temperature Welding Tool 194-896°F( 90-480°C) with On/Off Switch, Auto-sleep, Thermostatic Design, 10pcs Soldering Iron and Solder Kit

Chris N

9:45 PM

I need to call it a day.....

John Kuhlenschmidt

9:54 PM

<https://www.thingiverse.com/thing:4825799>