

## DPRG RBNV Chat Record – Feb 27, 2024

Anuhya Das

7:40 PM

aarav, jai, and i are all here as members of iron reign.

Anuhya Das

7:41 PM

i am so sorry for any inconvenience but would it be possible for us to move up the queue a little because of homework :(

Carl Ott

7:43 PM

Queue - adjusted to prioritize Iron Reign to encourage our other favorite topic - Homework...

Introductions Paul – Dates Iron Reign Pat Doug D Doug P Ted question for group Ray Tom C Carl

Carl Ott

7:44 PM

~7:42- Paul raised a question of dates & scheduling - e.g. to balance regular meeting days / times - RoboRama and meeting room availability.

Carl Ott

7:57 PM

~7:56pm - Iron Reign gave an update on their competition robot.

Mickey Dean

8:10 PM

where the video in real-time speed? it was much faster than previous showings were

Mickey Dean

8:47 PM

but when they combine slides, they will lose detail in the smaller images.

ed mart

8:49 PM

Attn Chris N some members of CRS will be attending <https://www.roboticssummit.com/> Hope we can meetup.

Mickey Dean

8:52 PM

One slide for sensors and another for the CV

Carl Ott

8:55 PM

~8:54pm - maybe add bullet "Custom Vision Pipeline".

Mickey Dean

8:55 PM

it is a good thing to highlight it is not off the shelf.

Mickey Dean

8:57 PM

and the first two bullet points see out of place.

or maybe I do not understand what you mean by 6 paths.

and 45 points

Mickey Dean

9:00 PM

zone-specific

Anuhya Das

9:00 PM

nalini is heading out and says bye.

Mickey Dean

9:01 PM

excellent progress Iron Reign

Carl Ott

9:01 PM

Zone Specific Driver Assistance

Mickey Dean

9:02 PM

I am jealous how much farther they have gotten than I have in the same amount of time.

Mickey Dean

9:03 PM

that is exactly how I want my robot mower to work.  
still not sure how to do it just yet.

Mickey Dean

9:07 PM

i think it is a solid presentation.  
the project looks AWESOME.

Carl Ott

9:11 PM

~9:11pm - Pat gave a shout-out to Chris for last week's presentation - was very helpful.

Carl Ott

9:13 PM

Next in queue

Doug D Doug P Ted question for group Ray Tom C Carl

Carl Ott

9:15 PM

~9:14pm - Doug D shared an update on his Robodog.

Carl Ott

9:16 PM

Showed how he can simplify the design and avoid making the legs pivot.

Carl Ott

9:19 PM

Doug also showed his wireless controller, and described an issue with wheels.

Brendon Holt

9:23 PM

<https://www.ellsworth.com/products/adhesives/cyanoacrylate/henkel-loctite-assure-425-plastic-fastener-threadlocker-blue-20-g-bottle/#:~:text=Henkel%20Loctite%20425%20is%20a,the%20use%20of%20Loctite%207113>.

HENKEL LOCTITE 425 PLASTIC FASTENER THREADLOCKER BLUE 20 G BOTTLE

Carl Ott

9:27 PM

Gold STARE for Doug D!

Ted Meyers

9:27 PM

gold STARE?

Carl Ott

9:27 PM

hmm - not evil eye -

how about GOLD STAR !!!

Carl Ott

9:29 PM

~9:27pm - Doug P shared an update to the website / to help index weekly videos.

Carl Ott

9:30 PM

~9:29pm - Ted showed an indoor / smaller version of his outdoor robot. But he faces an issue with GPS not working well indoors. Hence - is looking for ideas / how to integrate GPS so when run indoor & outdoor it doesn't do funky things...

Carl Ott

9:32 PM

Lots of ideas for how to simulate or emulate or repeat GPS signals for indoor locations.

Carl Ott

9:34 PM

Ted also described having GPS test results vary by time of day - at night good but during the day not so good.

Chris N

9:37 PM

ChatGPT has some theories why GPS signal noise might be more during the day:

<https://chat.openai.com/share/6d17699d-955c-4dcd-a7cd-0fdd33ce208b>

Take it with a grain of salt....

Carl Ott

9:38 PM  
Chris - nice find...  
Tom C - Hamilton, ON  
9:43 PM  
GPS Jamming info: <https://gpsjam.org/>  
Carl Ott  
9:43 PM  
~9:42pm - Ray gave an update - received stuff from Ali Express  
Mike Williamson  
9:45 PM  
Carl, I have a short update if possible.  
Carl Ott  
9:47 PM  
Gotcha Mike - Here's an updated queue.  
Ray Tom C Mike Carl  
Chris N  
9:50 PM  
I must call it a day..... Good night.  
Pat C  
9:59 PM  
Thanks guys, see you next week.  
Carl Ott  
10:02 PM  
~9:50pm ish - Ray gave an update.  
~10:01 - Tom C gave an update on his can grabbing mechanism -> GOLD STAR Demo!  
Tom built this with a Finite State Machine  
Mickey Dean  
10:03 PM  
nice Tom  
very nice  
Carl Ott  
10:10 PM  
~10:10 - Ray showed his air tank mechanism to blow a can some distance... Hasn't given up on that approach yet  
Mike Williamson  
10:15 PM  
i will debug my mic.... go on without  
Carl Ott  
10:20 PM  
Mike - any luck with your Mic?  
Carl Ott  
10:23 PM  
~10:21pm - Paul B gave an update on Mike's behalf /  
Carl Ott  
10:25 PM  
Paul showed range sensors visualized via tk  
Mickey Dean  
10:26 PM  
I hear Mike.  
but I am hearing it on the phone.  
Carl Ott  
10:27 PM  
Mikey that's interesting - I wonder if Google Meet is "Having an issue" tonight.  
Mike Williamson  
10:27 PM  
I am saying test 123.  
Mickey Dean  
10:27 PM  
that is weird, because I hear him.  
yes

I am using the meet app on the phone.

I want to show a pic.

Carl Ott

10:31 PM

~10:29pm - Mickey showed his mower bot - with concern for potential magnetic interference between a bracket and a motor - the club consensus was -> don't worry about it - not a problem.

Mike Williamson

10:35 PM

A ROS bag for Paul would be ideal.