

DPRG RBNV Chat Record – Nov 14, 2023

Iron Reign

7:35 PM

asking if ironreign can go early and first if we can get our robot started.

Carl Ott

7:39 PM

~7:38pm - Iron Reign - update on "Odometry" - cool method to use as a second source of truth - using a dead-wheel robot

Carl Ott

7:44 PM

~7:41pm - showed a video of an auto-correct function. Awesome results. They were able to kick the robot around thereby corrupting the powered wheel encoders. And then the robot automatically detected the error and returned itself to the intended path/ location.

Carl Ott

7:47 PM

The team described using an IMU/ gyro for longer term corrections but using the dead-wheel encoders for much faster update rate - much lower lag time.

versus the IMU/Gyro reports which have a low enough update rate that it can add up and cause problems after a while

Mickey Dean

7:55 PM

Karim...only the front wheels are omni wheels iirc on that mower.

ed mart

8:03 PM

Thank you!

Carl Ott

8:03 PM

GOLD STAR for Iron Reign!

Carl Ott

8:05 PM

~8:04pm - Doug D gave an update - RoboDog- had an up and down week. Let some smoke out - but traced it down to a suspected bad motor controller.

Carl Ott

8:09 PM

~8:07pm - Brief discussion of the upcoming contest on 18 Nov 2023. As a reminder- we're generally following this post: <https://www.dprg.org/robocolumbus-2023/>

Carl Ott

8:13 PM

~8:12pm - Paul B showed his platform - using GPS RTK

Mike Williamson

8:14 PM

Please send me the address for the contest. I can cheer everyone on :-)

Carl Ott

8:17 PM

Mike - does Doug have your email? Or can you send it to him?

Carl Ott

8:20 PM

~8:16~8:18pm - Scott G gave an update on his robots.

8:30 PM

~8:28pm - Walked through contest schedule <https://www.dprg.org/robocolumbus-2023/>

Carl Ott

8:34 PM

~8:32pm - Doug gave an update on his robot, which he's only been able to allocate minimal time to but still hopes to bring

Carl Ott

8:48 PM

~8:45pm - Ray talked about his hoverboard motors.

Carl Ott

8:55 PM

~8:52pm - Paul gave a demo of MowBot in simulator.

Carl Ott

9:23 PM

- <https://my.equifax.com> ○ Annoying signup process required calling support ○ Otherwise -best combo of functionality, information and perhaps also price and support ○ Once signed up for free - very easy to manage Fraud Alert and Credit Freeze
- <https://service.transunion.com> ○ Easiest signup but Condescending Comic book UX ○ Once signed up for free - very easy to manage Fraud Alert and Credit Freeze
- <https://usa.experian.com> ○ Painful 'shiny object hard sale' web site ○ Once si
- <https://www.optoutprescreen.com/> ○ Sign up to minimize pre-approved credit and insurance offers ○ Lasts for 5 years if do online
- <https://www.annualcreditreport.com/> ○ Sign up to minimize pre-approved credit and insurance offers ○ Lasts for 5 years if do online

Carl Ott

9:25 PM

Also- Microsoft Defender - also provides monitoring services - at least via an Office365 subscription.