DPRG RBNV Chat Record - February 18, 2025

00:07:31.148,00:07:34.148
Paul Bouchier: Trish Cooke presented request for Vex team interviews

00:12:45.588,00:12:48.588
Trish Cook: https://www.youtube.com/watch?v=Sx6HJSpopeQ

00:23:09.124,00:23:12.124
Paul Bouchier: Fernando presented his swerve drive

00:36:37.989,00:36:40.989
Paul Bouchier: Ray presented his testing with OpenBot - a SW stack that uses a cellphone on a robot to provide sensors & to talk over bluetooth to an esp32 on the robot that controls motors, sensors

00:38:24.282,00:38:27.282
Paul Bouchier: Ray showed the phone causing wheels to spin

00:40:26.046,00:40:29.046
Paul Bouchier: Ray showed the phone running mobile-net to identify a person and cause the robot to steer toward the person. It uses an ultrasonic sensor to avoid getting too close to the person

00:41:53.256,00:41:56.256
Paul Bouchier: Can choose a variety of models that it can train.

01:14:02.289,01:14:05.289
Paul Bouchier: https://www.waveshare.com/wiki/General_Driver_for_Robots

01:17:02.157,01:17:05.157
Paul Bouchier: Paul showed minniebot driving under teleop, and its lidar sensing objects. Gold star for Ray & Paul for showing robots moving wheels

01:27:32.943,01:27:35.943
Paul Bouchier: Ted showed a plot that indicated good heading accuracy from a GPS, by taking the heading output of the GPS. The faster you go, the less effect the GPS drift has on heading.

01:28:35.050,01:28:38.050
Paul Bouchier: Ted is working on a Kalman filter to combine GPS & IMU

01:31:29.049,01:31:32.049
Mark R: Gold Star for David??

01:35:15.253,01:35:18.253
Blue Steel: https://www.ottodiy.com/academy

01:35:41.374,01:35:44.374
Paul Bouchier: David showed his walking robot exhibiting avoidance behavior.

01:35:43.802,01:35:46.802
ed mart: I used same style programing on Microbit

01:36:02.689,01:36:05.689
Paul Bouchier: Gold Star for David - walking robot

01:40:11.682,01:40:14.682
Paul Bouchier: David's robot used Blockly, like Ray's OpenBot

01:52:20.589,01:52:23.589
ed mart: Tracked

01:52:30.829,01:52:33.829
Pat Caron: Another great meeting!
See you Saturday

01:57:25.387,01:57:28.387
Tom C - Hamilton, ON: Need to go folks. Another good meeting, thanks! Tom

02:02:13.218,02:02:16.218
Paul Bouchier: Mark built a minisumo arena