

DPRG RBNV Chat Record - February 11, 2025

00:06:24.253,00:06:27.253

Pat Caron: Carl is celebrating already. Have another glass of wine!
Thanks for the great job as Pres & VP

00:07:23.678,00:07:26.678

Paul Bouchier: Scott showed his Sumo robots

00:11:35.670,00:11:38.670

Paul Bouchier: Scott showed a sumo robot he built out of a kit. Also, one he built based on a kit that uses continuous rotation servo. Sid Vicious has short-range sensors that trigger at 2" and cause full speed fwd to push the opponent off the ring. Also a tracked kit from Pololu (modified)

00:12:09.434,00:12:12.434

doug paradis: Scott's kit is pretty heavily modified!

00:16:03.772,00:16:06.772

Paul Bouchier: Scott's robots are all mini-sumo. We confirmed that there will be a competition if there are two ppl with robots that want to compete.

00:19:33.139,00:19:36.139

Ted Meyers: Zumo kit: <https://www.pololu.com/product/4992>

00:29:50.030,00:29:53.030

Ray Casler: Can it have a gas engine on it?

00:29:58.669,00:30:01.669

Mark R: lol

00:30:09.604,00:30:12.604

Iron Reign: outdoor redneck sumo

00:35:01.725,00:35:04.725

Paul Bouchier: We decided to have at a minimum a mini sumo exhibition (where robots that may not comply to mini-sumo rules get in the ring, but no prizes. If two or more ppl have mini-sumo compliant robots we will have a real competition with prizes

00:35:09.045,00:35:12.045

Jai Sammpath: iron reign is ready to jump in whenever convenient

00:35:24.059,00:35:27.059

Paul Bouchier: OK we'll put you next Jai

00:35:37.204,00:35:40.204

Jai Sammpath: thanks!

00:42:52.560,00:42:55.560

doug paradis: Sumo book (used ~\$6.50) :

<https://www.amazon.com/Robot-Sumo-Official-Pete-Miles/dp/007222617X?>

00:43:16.835,00:43:19.835

Paul Bouchier: Jai from Iron Reign presented the Limelight smart camera that Iron Reign is using

00:49:23.073,00:49:26.073

Paul Bouchier: The limelight camera is comparable to a Pixie-Cam - it doesn't have a vision/AI ASIC but has a quad-core 1.5GHz processor

00:53:02.361,00:53:05.361

Carl Ott: GOLD STAR for Iron Reign !

00:53:16.253,00:53:19.253

Paul Bouchier: Jai showed the Limelight tracking and causing the robot to rotate and follow a sample as he moved it

00:55:35.785,00:55:38.785

Paul Bouchier: Jai showed it tracking only the nearest blob when several were in view

01:02:17.454,01:02:20.454

doug paradis: Gold star for Iron Reign and Jai Sammpath

01:03:04.721,01:03:07.721

Paul Bouchier: Ted described results of using 2 GPS antennas/receivers next to each other on a lap around the back yard

01:05:19.846,01:05:22.846

Paul Bouchier: Ted found that each receiver produced consistent results but different from each other by 2.5 meters in places

01:06:54.428,01:06:57.428

Paul Bouchier: He used two Sparkfun M10S modules with antennas mounted next to each other (2" apart)

01:09:06.370,01:09:09.370

Paul Bouchier: Ted thinks the difference between the receiver readings is due to differences between which satellites were being tracked by each receiver

01:41:37.990,01:41:40.990

ed mart: I believe openbot offered 3d print stl files

02:09:53.235,02:09:56.235

Paul Bouchier: Ray talked about his investigation into the Openbot platform. It is no longer available from Amazon, but the github site still is seeing some activity.

02:12:15.318,02:12:18.318

Carl Ott: Here's a link to Ron Grant's master project for the Line Follower SIM
<https://github.com/ron-grant/LFS>

02:14:32.421,02:14:35.421

Pat Caron: See you next week guys

02:14:38.004,02:14:41.004

Mark R: Bye Pat!

02:14:43.558,02:14:46.558

Carl Ott: Here are a bunch of videos wrt LFS
<https://www.youtube.com/@DPRGclips/search?query=LFS>

02:19:11.713,02:19:14.713

Blue Steel: <https://youtube.com/shorts/9i8YNEN-EAU?si=r5TBCEM3GXknv4JI>

02:19:42.544,02:19:45.544

Blue Steel: Super High Precision Line Follower Robot

02:19:53.526,02:19:56.526

Paul Bouchier: Ray showed a bunch of videos of high speed line following robots

02:21:18.962,02:21:21.962

Carl Ott: Here is the video from DPRG's 2020 Virtual Competition "DPRG's First Virtual Competition Results - 12/12/2020"
<https://youtu.be/Kx65MMQbYN0?si=2egjQ8-2Kv97Oo4j>

02:23:20.403,02:23:23.403

Carl Ott: Hee's Ron's Challenge Course Run-
<https://youtu.be/Kx65MMQbYN0?si=Iji-UqnMgU8zjXxf&t=6089>

02:23:38.699,02:23:41.699

Iron Reign: gnite

02:24:27.555,02:24:30.555

Carl Ott: somebody elses run <https://youtu.be/Kx65MMQbYN0?si=2zSimx1Pz2sKVOF2&t=6289>

02:25:22.395,02:25:25.395

Carl Ott: Her's Carl's run <https://youtu.be/Kx65MMQbYN0?si=CNsoKL948-7mf5I7&t=6537>