DPRG RBNV Chat Record – November 19, 2024

00:06:34.132,00:06:37.132

Steve Edwards: https://www.dprg.org/robocolumbus-2024/

00:14:09.878,00:14:12.878

Mickey Dean: Kolaches! I might take a trip to Texas

00:14:37.254,00:14:40.254

Carl Ott: Mikey it would be worth your while...

00:15:11.529,00:15:14.529

Mickey Dean: lol Carl, I will one day

00:16:23.269,00:16:26.269

Mickey Dean: Steve, is that your real background? If so you should do podcasts!

00:17:34.975,00:17:37.975

Steve Edwards: no Mickey, this is a std background from Meet

00:18:01.077,00:18:04.077

Mickey Dean: very nice

00:28:56.367,00:28:59.367

Ponder SomeMore: https://discord.gg/yfkBCymU

00:29:59.196,00:30:02.196

Paul Bouchier: Pavel Shonk new attendee joined call.

00:33:42.473,00:33:45.473

Paul Bouchier: Pat &Tom's

00:34:52.290,00:34:55.290

Paul Bouchier: Pat & Tom C's robots aren't ready so there won't be a Canada competition.

00:35:15.558,00:35:18.558

Paul Bouchier: Proposal to have a May RoboColumbus competition - some interest from the group

00:37:16.175,00:37:19.175

Carl Ott: GOLD STAR for Tom - nice outdoor video

00:42:07.050,00:42:10.050

Paul Bouchier: Tom C described an issue with his robot using single-precision floating point numbers with GPS lat/lon coordinates. There's no double-precision version of micro python. Tom proposes converting to a local Euclidean coordinate system.

00:44:29.725,00:44:32.725

Ponder SomeMore:
https://discord.com/channels/1211398208865968170/1211431934144811080/1308587507956449361

00:45:36.358,00:45:39.358

Carl Ott: GOLD STAR for Paul B- Outdoor Rover Video!

00:52:03.549,00:52:06.549

doug paradis: predictions = result["predictions"]

```
#{
#   predictions:
#   [ {
#      x: (middle),
#      y:(middle),
#      width:
#      height:
#      depth: ###->
#      confidence:
#      class:
#      mask: {
#   ]
#}
#frame - frame after preprocs, with predictions
#raw_frame - original frame from your OAK
#depth - depth map for raw_frame, center-rectified to
```

00:52:32.702,00:52:35.702

doug paradis: print("PREDICTIONS ", [p.json() for p in predictions])

00:53:16.338,00:53:19.338

Carl Ott: https://jsonlint.com/

00:55:40.503,00:55:43.503

Pat Caron: THANK YOU, Ted!

00:56:18.904,00:56:21.904

Ted Meyers: Pat: you have it working already?

00:57:01.140,00:57:04.140

doug paradis: result, frame, raw_frame, depth = rf.detect()

00:57:26.059,00:57:29.059

Ted Meyers: Doug: that json looks qite misformatted

00:57:56.652,00:57:59.652

Carl Ott: Doug we lost your audio. We're having trouble understanding the JSON you posted - looks mal-formed and in comment form.. Can you post a sample JSON / or maybe point us to the source with that template?

01:07:00.571,01:07:03.571

Pat Caron: Ted, I have my motor responding to my arbitrator!

01:11:28.136,01:11:31.136

doug paradis: print(p.json() for p in predictions])

01:11:35.816,01:11:38.816

Jim F - CalgaryAB: @carl check discord

01:11:59.006,01:12:02.006

Jim F - CalgaryAB: Steve has some code for Doug

01:12:05.430,01:12:08.430

Carl Ott: cool

01:12:17.087,01:12:20.087

doug paradis: print([p.json() for p in predictions])

01:33:56.713,01:33:59.713

Paul Bouchier: Carl showed his robot (Duct Tape and Bailing Wire) detecting cone position correctly but not controlling the steering servo correctly from his soft-PWM pin. My suggestion was to move away from soft PWM.

01:34:13.057,01:34:16.057

Steve Edwards: NTD soon, looking forward to seeing everyone next weekend

01:37:40.681,01:37:43.681

ed mart: Horse pumpkins !!

01:40:56.676,01:40:59.676

Paul Bouchier: Tom C reported that the micro python profiler reliably crashes the system every 75 seconds. BEWARE!

01:49:26.565,01:49:29.565

ed mart: Can you give more info on Ardupilot

01:52:54.624,01:52:57.624

Paul Bouchier: GOLD STAR FOR Blue Steel for video of his robot navigating along the sidewalk at night

01:56:22.954,01:56:25.954

Blue Steel: https://youtu.be/-ITYNnuiLSk?si=tu_TscC204NQ2Gyn

01:57:07.184,01:57:10.184

Blue Steel: https://ardupilot.org/rover/index.html

01:58:29.451,01:58:32.451

Blue Steel: Ed ArduRover is a subset of ArduPilot.

01:59:51.924,01:59:54.924

ed mart: Thank you very much