

DPRG RBNV Chat Record - May 6 2025

00:06:16.627,00:06:19.627

Paul Bouchier: Mike showed the chassis of his RoboColumbus robot. Trying to get an Oak-D Lite to run Cone-slayer AI working on it. He has it working on his workstation with the Oak-D Lite.

00:09:13.158,00:09:16.158

Paul Bouchier: Mike is getting 25 frames/sec out of the Oak-D Lite

00:10:07.857,00:10:10.857

Paul Bouchier: He's using both depth camera and AI cone recognition - cone recognition to find the cone in the color camera image, and depth to validate the find and tell how far away it is

00:13:44.480,00:13:47.480

Paul Bouchier: Cone Slayer was built by a university and with 10k images

00:15:12.026,00:15:15.026

Ponder SomeMore: mike is using coneslayer

00:15:13.047,00:15:16.047

Ponder SomeMore:

<https://discord.com/channels/1211398208865968170/1222222385583882240/1382160275322441819>

00:15:46.951,00:15:49.951

Mike Williamson: <https://matthew.krupczak.org/2022/12/13/coneslayer-a-neural-network/>

00:28:58.781,00:29:01.781

Ray Casler: not yet...

00:31:55.329,00:31:58.329

Ray Casler: I bet the cartels would be interested in it

00:32:30.725,00:32:33.725

Paul Bouchier: Tom C shared an autonomous boat that the Canadian Navy took on a research trip to Antarctica

00:35:43.057,00:35:46.057

Paul Bouchier: Tom shared a science fair project from near him which is an autonomous underwater vehicle modeled after a sea turtle

00:38:54.814,00:38:57.814

Ray Casler: should we invite him to moon day? We could leave robee in the closet..

00:42:02.422,00:42:05.422

Paul Bouchier: Another project from Tom's science fair was a humanoid robot. with 22 servos. He used a lot of advanced packages including LLM, speech to text, to extract action tokens from spoken text

00:47:19.111,00:47:22.111

David: Link to website Tom Crawford showed: <https://partner.projectboard.world/ysc/home>

00:47:19.529,00:47:22.529

Ponder SomeMore:

<https://partner.projectboard.world/ysc/project/development-of-an-autonomous-bionic-sea-turtle-robot-for-ecological-monitoring-using-ai>

00:49:48.652,00:49:51.652

Ponder SomeMore:

<https://partner.projectboard.world/ysc/project/carebotix-in-motion-leveraging-advanced-imitation-learning-and-vla-models-for-humanoid-robotics>

00:50:09.557,00:50:12.557

Paul Bouchier: Tom spoke to the value of science fairs for bringing smart kids out to do really cool stuff.

00:50:52.174,00:50:55.174

Trish Cook: thanks Tom! That was really cool to see!

00:59:56.186,00:59:59.186

David: <https://talk.dallasmakerspace.org/t/10-15-year-dms-members/118392/40>

01:04:20.501,01:04:23.501

David: The Dallas Makerspace will host 15th Anniversary Party in August. Many current DPRG members were initial funders and members of Dallas Makerspace. Thanks to all supporters!

01:10:33.411,01:10:36.411

Paul Bouchier: Doug P reported that the Coneslayer AI model is now part of the Luxonis library of models