

## DPRG RBNV Chat Record - February 4, 2025

00:02:53.901,00:02:56.901

Mike Williamson: Elm joined; she wants to ask questions about their robot at school

00:03:23.747,00:03:26.747

Pat Caron: Elm, I'll add you to the list

00:03:40.135,00:03:43.135

Pat Caron: Presenters

Ray

Bruce

Tom

Ted

Scott

Mike

Taylor

Elm

00:05:35.140,00:05:38.140

Iron Reign: not sure if Elm can stay that late

00:10:44.132,00:10:47.132

Pat Caron: We can bump Elm up after Bruce

00:12:05.072,00:12:08.072

Pat Caron: Presenters

Ray

Bruce

Elm

Tom

Ted

Scott

Mike

Taylor

Pat

00:14:04.830,00:14:07.830

Jim F - CalgaryAB: Hey David. 🍌 are you enjoying your snack ? Cheetos?

00:14:25.029,00:14:28.029

Jim F - CalgaryAB: Hello Raj.

00:14:30.509,00:14:33.509

Mike Williamson: Hi Elm, I am glad you were able to make it

00:15:00.604,00:15:03.604

Mark R: Lots of presenters tonight!! :D

00:15:51.283,00:15:54.283

David Dwyer: The Cheetos are pretty good, glad to be here!

00:21:28.122,00:21:31.122

Jim F - CalgaryAB: Nice to see new participants to the call. Welcome Y'all.

00:23:33.251,00:23:36.251

Jim F - CalgaryAB: Elim & David, are you on Robotics Teams?

00:24:00.844,00:24:03.844

David Dwyer: Yep! A part of the Iron Reign Organization

00:24:05.262,00:24:08.262

David Dwyer: Our team is Iron Giant

00:24:17.037,00:24:20.037

Jim F - CalgaryAB: Woops. \*Elm. My apologies.

00:25:40.436,00:25:43.436

Jim F - CalgaryAB: Did you work on the pickup arm circuit and programming?

00:26:21.429,00:26:24.429

Pat Caron: Ray gave an update on his Parallax laser camera distance detection

00:26:39.031,00:26:42.031

Pat Caron: He is using an OpenMV H7 camera

00:26:47.745,00:26:50.745

Pat Caron: Bruce gave an update on his document to build his Compass.py code using the Aider AI program. It creates a readme.md file with its changes

00:30:29.220,00:30:32.220

Ted Meyers: Hey, don't know if its just me, but I'm here for ROBOTS! I'm sure some are interested in programming languages and editors, IDEs, etc. So, maybe we could do that stuff on a separate night? I really am trying to be constructive here, and don't mean to offend anyone

00:41:53.634,00:41:56.634

Iron Reign: I'm on the same page as you Ted. This did have a connection to ROS setup.

00:42:41.068,00:42:44.068

Pat Caron: Elm and David showed their FTC robot in autonomous mode to place a brick on the bar and the intake/outtake of blocks.

00:43:26.904,00:43:29.904

Pat Caron: Gold Star for Iron Reign

00:45:02.900,00:45:05.900

Jim F - CalgaryAB: Congrats to FTC Students!

00:45:04.379,00:45:07.379

Iron Reign: yep gold star Iron Giant

00:45:12.191,00:45:15.191

Pat Caron: Gold Star for Iron Giant! Not Iron Reign!

00:45:44.627,00:45:47.627

Mark R: Great work Iron Giant

00:46:17.713,00:46:20.713

Jim F - CalgaryAB: Iron Reigning Giants @ Pat. J K ( LOL )

00:52:27.815,00:52:30.815

Trish Cook: I had a coder tell me he wrote their code on the bus ride over at the last comp I judged!

00:53:39.453,00:53:42.453

Jim F - CalgaryAB: That is impressive Trish.

00:54:10.301,00:54:13.301

Trish Cook: it wasn't...lol

00:54:55.413,00:54:58.413

Jim F - CalgaryAB: Great Presentation David & Elm.

01:04:38.075,01:04:41.075

Taylor Watts: i 4b

01:04:44.002,01:04:47.002

Pat Caron: Tom gave an update on his cone detection camera quest.

01:07:26.682,01:07:29.682

Pat Caron: He also showed an OpenBot using a smart phone and cheap robot platform.

01:18:48.198,01:18:51.198

Pat Caron: Presenters

Ray

Bruce

Elm

Tom

Ted

Scott

Mike

Taylor

Pat

01:37:33.623,01:37:36.623

ed mart: CAN DOLLAR = \$00.69.8 USD

01:38:17.411,01:38:20.411

Pat Caron: Ted talked about differential GPS using 2 M10s GPS units. He found the results were not what he expected.

01:39:44.701,01:39:47.701

Pat Caron: Mike talked about his latest project to rotate a picture for an art exhibit. He is printing a worm gear being run by a gear motor.

01:47:37.512,01:47:40.512

Taylor Watts: ataylorwatts@gmail.com

01:50:51.644,01:50:54.644

Raj Prabhakar: @taylor - did you see <https://www.crdefensegroup.com/> ? I worked for Carnegie Robotics but not on this defense project. I will be happy to connect you to my ex-colleagues who worked on this robot

01:55:57.628,01:56:00.628

Pat Caron: Taylor spoke about an idea he has for a metal detecting robot with possible cable location and military applications. He is looking to review his ideas to get feedback from anyone interested.

01:56:31.263,01:56:34.263

Mike Williamson: This robot may be a good base for the metal detector <https://www.zdnet.com/home-and-office/smart-home/dandys-new-weed-killing-lawn-robot-will-save-your-back/>

02:01:10.514,02:01:13.514

ed mart: Chris N ...Jake @ CRS IS RETIRING... HOPE TO SEE U AT NEXT MEETING

02:06:14.434,02:06:17.434

Pat Caron: Pat showed his line following robot using an OpenMV M4 v2 camera.

02:10:04.489,02:10:07.489

Pat Caron: Michael, I gave an update on his Claw Machine motor drive. He is now using stepper motors with an algorithm to prevent jumping teeth when the joystick is moved back and forth quickly.

02:17:51.957,02:17:54.957

Tom C - Hamilton, ON: ISOBOT:

[https://www.facebook.com/isobot.uthm/?profile\\_tab\\_item\\_selected=photos&\\_rdr](https://www.facebook.com/isobot.uthm/?profile_tab_item_selected=photos&_rdr)

02:18:19.373,02:18:22.373

ed mart: Malasia

02:19:29.968,02:19:32.968

ed mart: <https://shopee.com.my/Elvira-ISOBOT-ELV04-Robot-Car-Kit-i.236910916.28402758265>