

DPRG RBNV AI Summary – 10/13/2026

<https://youtu.be/Ly-COOGjMpl?si=eaFeo1mu6nsCyBmV>

DPRG Club Business

- **RoboColumbus 2026** - There is about 5 weeks until the event. Are you ready? The annual competition date is set for Saturday, November 21st, moving one week earlier to avoid interference with Thanksgiving travel plans. Spectators are welcome to attend even if they do not have a robot entered in the contest. Reach out to Paul B or Mark R for event location details.
- **DPRG Power Lunch** - Paul B gave a overview of the Lunch at Ford's Garage on Sunday Oct 11th.
- **DPRG Oct Monthly Mtg** - Saturday Oct 24th - Paul B will present "Learn TO Program a Robot with AI". Participants will get on hand experience on programming a Arduino robot using the Arduino IDE. The theory section is available to all. The hands-on session will be available for 10 participants. Please bring your own laptop.
- **Coming Events** - Paul B will send a list of coming events.
- We should do a better job of getting events out early enough.

Presenters

- **Ray C** - he showed a MaixSense A010 depth camera connected to an esp32c3 in serial mode. He is determining the furthest distance to steer the robot through an opening. He will use this on his RoboColumbus outdoor robot.

- **Michael I** - showed his Halloween Grapple Crane that gives out candy & toys EVERY TIME! Gold star  (Autonomous running)
- **Pat C** - reviewed his pyZMQ Background Monitor. This was created entirely using Github Copilot. This is used to test sensor values and data being sent to other python scripts.
- **Tom C** - discussed using KiCAD and a text description of his circuit and have AI design the circuit board. Apparently, it works quite well for final project design!
- He also discussed how users used a TOF sensor.