Robot Builder's Night Virtual
June 10th, 2025

Robo Columbus and Cone Detection with ConeSlayer

- Mike Williamson demonstrated his efforts with the Robo Columbus robot, featuring an Oak-D Lite camera and the ConeSlayer AI for cone detection.
- Challenges were faced while trying to integrate ConeSlayer with Raspberry Pi and achieving optimal software installation.
- Mike managed to get ConeSlayer working on a Linux workstation and discussed the limitations and potential improvements in AI model adaptation.

Autonomous and Bionic Robotics Projects

- Tom Crawford shared insights from the Canada-wide Science Fair, highlighting significant projects such as an Autonomous Bionic Sea Turtle and a humanoid robot, CareBotix.
  - The Sea Turtle robot project involved a Raspberry Pi 5 and a Halo AI hat, mimicking sea turtle movement
  - CareBotix humanoid had 22 servos and Jetson Orin NX, and incorporated advanced software packages for language processing and action execution.
- Discussions on the role of science fairs in fostering young talents in STEM.

Linorobot2 updated to Jazzy

- Paul Bouchier shared personal achievements related to Linorobot2 project updates for ROS-Jazzy. It works in simulation and on a real robot with wifi-connected micro-ros, and works in a docker container.

Dallas Makerspace and Its History

- Celebration of the 15th anniversary of the Dallas Makerspace, acknowledging contributions from early DPRG members.

- The conversation included reflections on how the space has evolved and its impact on the robotics community.

Filament and Printing Techniques

- A brief discussion on different types of 3D printing filaments and their applications, with an emphasis on PLA and its limitations in heat.

Referenced Links

- Ponder SomeMore shared links related to robotics projects:
    - Discord Chat on ConeSlayer
    - Autonomous Bionic Sea Turtle Project
    - CareBotix Robotics Project
- Mike Williamson:
    - ConeSlayer AI Overview
- David:
    - Dallas Makerspace Anniversary Discussion