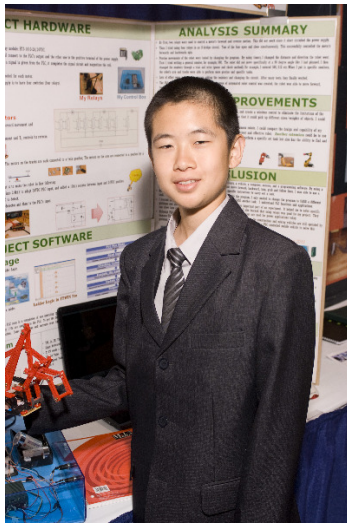


CWSF 2010 - Peterborough, Ontario



Working with Robots

Division: Life Sciences

Category: Intermediate

Region:

City: ,

School:

Abstract: A programmable controlled mobile robotic system was successfully developed by utilizing an industrial PLC as the main control component. The system can perform movements such as moving forward, backward, turning, and grabbing. This automated robotic system can be used in many harsh, dangerous as well as tedious environments replacing human workers. Operating costs and casualties will be greatly reduced by employing this system.

Awards	Value
The University of Western Ontario Scholarship Bronze Medallist - \$1000 Entrance Scholarship Sponsor: University of Western Ontario	\$1 000
Bronze Medal - Engineering - Intermediate Sponsor: Youth Science Canada	\$300
Total	\$1 300