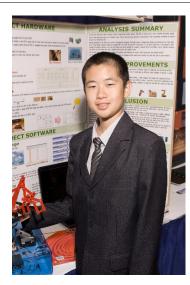




CWSF 2010 - Peterborough, Ontario



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



