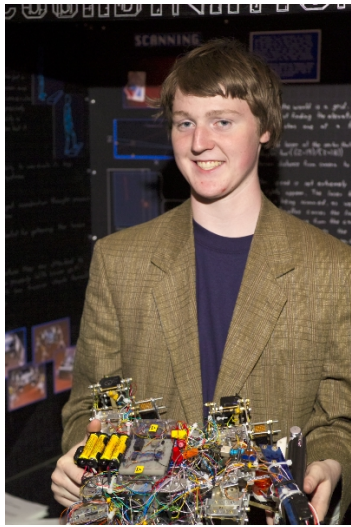


CWSF 2005 - Vancouver, British Columbia



Russell Kramer

Robotic Vision Gait Coordination

Division: Engineering & Computing Sciences

Category: Senior

Region: Vancouver Island

City: Campbell River, BC

School: Carihi High School

Abstract: Humans have the ability to identify obstacles in their path and coordinate their legs to climb over them. It is easy to take this for granted, but it requires much judgment and planning to accomplish. This coordination technology grants walking robots this exceptionally useful ability for the first time.

Awards	Value
UBC Science (Vancouver) Entrance Award Senior Silver Medallist - \$2000 Entrance Scholarship Sponsor: The University of British Columbia (Vancouver)	\$2 000
The University of Western Ontario Scholarship Silver Medallist - \$1500 Entrance Scholarship Sponsor: University of Western Ontario	\$1 500
Silver Medal - Automotive - Senior Sponsor: AUTO21	\$700
Silver Medal - Engineering - Senior Sponsor: Youth Science Foundation Canada	\$700
Total	\$4 900