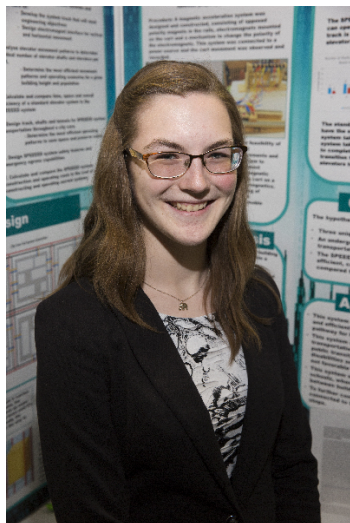


CWSF 2019 - Fredericton, New Brunswick



Monica Mahut

Elevator to Everywhere

Challenge: Innovation

Category: Senior

Region: Bay Area

City: Burlington, ON

School: M.M. Robinson H.S.

Abstract: The purpose of this project is to design an innovative elevator system that efficiently uses less vertical space in a building than traditional elevators and can effectively transport people between buildings. As a self-powered elevator, this system does not rely on hoisting cables which is why it is able to transport people or freight both vertically and horizontally within and between buildings.

Biography

My name is Monica Mahut. I'm in grade 11 at MM Robinson H.S. in Burlington, Ontario. My birthday is May 20th. Within my school, I participate in many extra-curricular activities such as the school Senior Reach for the Top team, the Eco club, the Jazz and Concert bands and the school Music Council. I participate in many extra-curricular activities outside of school such as taking lifesaving swimming courses, leadership courses, Polish Girl Scouting, piano lessons and Polish School classes. I have participated five times at the regional science fair and have won two silver medals and three gold medals. I was inspired to start this project when I noticed the difficulty people had travelling around the city core and I wanted to find a good solution. I used different ideas from the transportation sector - maglev trains, elevator systems and subway systems - and combined them to produce a new transportation system that can connect a city core to be accessible for everyone. Future investigations on this topic would include more applications for this system, to reach its full potential. I would advise other students to think outside of the box and never stop investigating what interests you.

Awards

Value

Excellence Award - Senior - Bronze Medal Sponsor: Youth Science Canada	
University of Ottawa Entrance Scholarship Senior Bronze Medallist - \$1000 Entrance Scholarship Sponsor: University of Ottawa	\$1 000
Western University Scholarship Bronze Medallist - \$1000 Entrance Scholarship Sponsor: Western University	\$1 000
Total	\$2 000