



## CWSF 2017 - Regina, Saskatchewan



## **Biographies**

Dhyey - My name is Dhyey Bhavsar and I am currently a Grade 11 student in the Enhanced Learning Program at the Woodlands Secondary School. Aside from Robotics, DECA, and Aerospace Club at school, I am currently a Flight Seargent at the Royal Canadian Air Cadets, Peel Ambassador for Science Expo, and Outreach Director for Good Food Brampton Youth Council. I have currently applied for the Glider Pilot Scholarship and am nearing completion of my Bronze certification for the Duke of Edinburgh award. I have always wanted to make a difference in the world. Water scarcity and lack of electricity were two major challenges I wished to overcome. By creating a ... Ahmad - My name is Ahmad Almawi, and I am a grade eleven student at the Woodlands Secondary School attending the science fair for the first time. Other than the science fair, I am a member of my schools robotics club, biology club, play tuba for senior band, and play trombone for jazz band. Outside of school activities, I spend my time playing piano, volunteering, and building robots. Though I haven't guite decided yet, I think I will be aiming to go into biomedical engineering, as it nicely combines my passion for biology and robotics/engineering.

## Dhyey Bhavsar, Ahmad Almawi

## **VOLTurus: Power Generation and Water Desalination**

Challenge:	Energy
Category:	Senior
Region:	Peel
City:	Mississauga, ON
School:	The Woodlands School
Abstract:	VOLTurus is a two-in-one power generation and water desalination system. It utilizes the power of ocean waves and currents to oscillate a floating disk attached by six pistons. As they pass, the waves move the floating disk up and down, actuating the pistons. This force pumps water through a turbine to generate electricity and is later passed through an innovative water desalination process.

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



Youth Science Canada PO Box 297 Pickering ON L1V 2R4 www.youthscience.ca / info@youthscience.ca 416-341-0040

