

CWSF 2010 - Peterborough, Ontario



Jenny Yao, Robert Lin

Charge It Up!

Division: Physical & Mathematical Sciences

Category: Senior

Region: Toronto

City: Toronto, ON

School: Marc Garneau Collegiate

Abstract: The goal of our project was to generate clean, carbon-free energy. To achieve this, we designed a portable device that generates electricity using electromagnetic induction. It harnesses kinetic energy that would otherwise be wasted. This allows the general public to charge electronics during everyday movements such as walking or running.

Biographies

Jenny - My name is Jenny Yao, and I am a grade eleven student in the TOPS (Talented Offering Program in the Sciences) at Marc Garneau Collegiate Institute. I was a finalist at the Canada Wide Science Fair two years ago, and due to restrictions from the Toronto Region, this will be my last time competing. I am a busy but happy person; busy in the sense that TOPS is a demanding program so I have a lot of studying to do every day, and that I join a lot of extracurricular clubs so I commit a lot of my time to charity events. I am happy when I get time to relax and what I enjoy, like playing music, playing basketball, drawing, singing, dancing, reading bo...

Robert - Robert Lin (b. 1993) is a Grade 11 student currently attending the Talented Offerings for Programs in the Sciences (TOPS) program at Marc Garneau Collegiate Institute. His love of science extends beyond his many science courses at school and he has taken part in numerous extra-curricular science events. Last summer, Robert had the opportunity to work as an assistant at the Institute for Optical Sciences at the University of Toronto. He is particularly interested in quantum mechanics; it is an area which Robert feels has boundless opportunity. Along with his scientific interests, Robert participates regularly in many clubs and organizations at...

Awards

Value

| | |
|---|----------------|
| The University of Western Ontario Scholarship Bronze Medallist - \$1000 Entrance Scholarship Sponsor: University of Western Ontario | \$1 000 |
| University of Ottawa Entrance Scholarship Senior Bronze Medallist - \$1000 Entrance Scholarship Sponsor: University of Ottawa | \$1 000 |
| Bronze Medal - Physical & Mathematical Sciences - Senior Sponsor: Encana Corporation | \$300 |
| Total | \$2 300 |