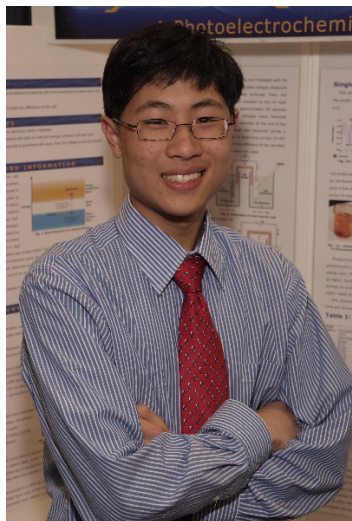


ESPC 2007 - Truro (Nouvelle-Écosse)



Tim Rappon

Power It Clean - a Photoelectrochemical Cell

Division: Internationale / Technologie automobile

Catégorie: Intermédiaire

Région: Northwestern Ontario

Ville: Thunder Bay, ON

École: Hammarskjold High School

Sommaire: A photoelectrochemical cell consists of semiconductor and platinum electrodes in an electrolyte. Electricity and hydrogen gas are generated when the semiconductor electrode is irradiated with light. Promising results were obtained when the semiconductor electrode was coated with dyes.

Biographie

I suppose I consider myself to be multi talented. This will be my third year as a CWSF finalist; I have won the Best in Fair award from the North Western Ontario Regional Science Fair for three years in a row. At last year's CWSF, I won the AECL award of excellence in science as well as an honourable mention in my division. I'm also in grade 8 piano and will be competing at provincials later this year. I've been awarded medals for excellence (best in Ontario) for Theory 1 and Piano 7. I'm a member of Hammarskjold's cross-country running and badminton teams, and enjoy soccer, skiing, and cycling. For the past few years, I have been an active and enthusiastic participant in my community, participating in over 5 organizations including the Youth Advisory Council, Citizens Concerned About Pesticides, the Natural Helpers, Kids Help Phone, and Youth With an Open Mind. I'm always looking for a challenge, and I'm definitely looking forward to this year's CWSF.

Prix

Valeur

Bourse d'études de l'Université Western Ontario	1 000,00 \$
Médaille de bronze - Bourse de début d'études de 1 000 \$	
Commanditaire: Université Western Ontario	
Médaille de bronze - Technologie automobile - Intermédiaire	300,00 \$
Commanditaire: AUTO21	
Médaille de bronze - Sciences physiques et des mathématiques	300,00 \$
Intermédiaire	
Commanditaire: Encana Corporation	
Total	1 600,00 \$

