

# CWSF 2008 - Ottawa, Ontario



## Florent Herbinger

### Tracking the sun

**Division:** International / Environmental Innovation

**Category:** Junior

**Region:** Halifax

**City:** Shad Bay, NS

**School:** Brookside Junior High School

**Abstract:** This project compares the power output of a solar panel under different configurations and seasons, to see if it is more efficient to track the sun. The four configurations are fixed panel, vertical axis panel, horizontal axis panel and dual axes panel. I also tried to build a simple solar tracker to rotate the panel and by doing so, follow the light.

### Biography

My name is Florent Herbinger. I have 2 brothers, a cat and a huge aquarium with lots of fish! Some of my hobbies are collecting coins and shells from around the world. I am bilingual. My favorite subjects are Math, Science, Art, Social studies, Tech-Ed and Phys-Ed. I play competitive soccer and tennis. I also play basketball, badminton, ping-pong and downhill ski. I spent a year in Polynesia where I scuba dived, surfed and traveled throughout the South Pacific. Now for food I love everything, especially seafood, sushi, all fruits, lasagna and French cheese. I enjoy trying new food from different cultures. In my life so far I'm learning new things and using my imagination to draw landscapes and animals, solve difficult math questions, and design science fair projects. I'm interested about what's happening through out the world. I'm very concerned about social issues and the environment and would like to do my part to help this planet. In the future I would like to become an architect for energy efficient houses which would run on renewable energy.

### Awards

### Value

Award for Excellence in Astronomy - Junior Sponsor: Royal Astronomical Society of Canada	\$500
The University of Western Ontario Scholarship Bronze Medallist - \$1000 Entrance Scholarship Sponsor: University of Western Ontario	\$1 000
Bronze Medal - Physical & Mathematical Sciences - Junior Sponsor: Encana Corporation	\$300
<b>Total</b>	<b>\$1 800</b>