

## CWSF 2005 - Vancouver, British Columbia



### **Peter Hill**

#### **Wind Energy**

**Division:** Engineering & Computing Sciences

**Category:** Intermediate

**Region:** Toronto

**City:** Toronto, ON

**School:** Toronto French School

**Abstract:** I investigated the rotation of wind turbines. I measured the energy produced by two different windmill designs [horizontal and vertical axis wind turbines] under differing conditions (wind direction, wind strength). My findings supported my hypothesis: vertical axis turbines are more versatile, and should be used under variable wind conditions.