

# CWSF 2006 - Saguenay, Québec



## Roopa Suppiah

### Sun Shines on Wind Power

**Division:** Engineering & Computing Sciences

**Category:** Intermediate

**Region:** Renfrew County

**City:** Deep River, ON

**School:** Mackenzie H.S.

**Abstract:** My project studied a method of increasing energy production from a vertical axis windmill by incorporating solar panels onto the blade surface. Windmill-blade design and speed of rotation affected wind and solar energy production. Blade rotation was found to increase the combined power production from this novel design.

Awards	Value
AECL Award for Excellence in Science - Intermediate Sponsor: Atomic Energy of Canada Ltd.	\$750
Honourable Mention - Automotive - Intermediate Sponsor: AUTO21	\$100
Honourable Mention - Earth & Environmental Science - Intermediate Sponsor: Petro-Canada	\$100
Total	\$950