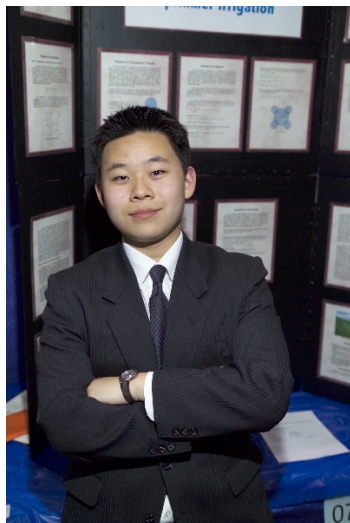


## ESPC 2006 - Saguenay (Québec)



### Erik Yao

#### Save Your Water: Mathematically Optimizing Sprinkler Irrigation

**Division:** Internationale

**Catégorie:** Intermédiaire

**Région:** Quinte

**Ville:** Belleville, ON

**École:** Moira S.S.

**Sommaire:** In-ground irrigation systems are widely utilized in the agricultural and recreational sectors. Therefore improving irrigation efficiency is very important, as it saves water. The purpose of this project is to mathematically model and theoretically optimize sprinkler placement to minimize irrigation overlap and to reduce the amount of water wasted.

Prix	Valeur
Bourse d'études de l'Université Western Ontario	1 500,00 \$
Médaille d'argent - Bourse de début d'études de 1 500 \$ Commanditaire: Université Western Ontario	
Médaille d'argent - Sciences physiques et des mathématiques Intermédiaire Commanditaire: Encana Corporation	700,00 \$
Total	2 200,00 \$