

## ESPC 2007 - Truro (Nouvelle-Écosse)



### Miguel Aroca-Ouellette

#### Your Solution To Lawnmower Pollution

**Division:** Génie et sciences de l'informatique / Technologie automobile

**Catégorie:** Junior

**Région:** Greater Vancouver

**Ville:** Vancouver, BC

**École:** Point Grey Secondary

**Sommaire:** Though it may not seem like it, gas lawnmowers are a significant source of pollution. My project's purpose is to reduce these emissions via the approach of using a catalyst or by changing the fuel mixture used in the gas lawnmower. I measured the CO<sub>2</sub> emissions from different Ethanol/Gasoline fuel mixtures with a titration process and I measured the other emissions with a gas analyzer.

#### Biographie

My name is Miguel Aroca-Ouellette and I am representing the Greater Vancouver Region at the CWSF. I did my elementary schooling at Rose-des-Vents which is part of the francophone school system in Vancouver. This year I am in Grade 8 at Point Grey Mini School. I love to play the guitar, french horn and saxophone (the latter two I play in concert band and Jazz band respectively). I am on the school rugby and volleyball team and I love to play soccer. My favorite subjects at school are Japanese, Science, Math and P.E.. I speak french, spanish and english. I want to study subatomic physics and engineering when I got to university.

#### Prix

#### Valeur

Mention honorable - Technologie automobile - Junior Commanditaire: AUTO21	100,00 \$
Mention honorable - Sciences de la terre et de l'environnement Junior Commanditaire: Pétro-Canada	100,00 \$
Total	200,00 \$

