

# CWSF 2013 - Lethbridge, Alberta



## Rosaele Tremblay

### Black Ice Vehicle Detector

**Challenge:** Innovation

**Category:** Senior

**Region:** East Kootenay

**City:** Fernie, BC

**School:** The Fernie Academy

**Abstract:** My innovation is a device placed in a car which will be able to determine if black ice is present on the road. The results showed that multiple cameras programmed in a specific way can highlight slippery areas. With these results, I can now design a simple setup to be installed in cars and raise an alarm whenever driving conditions become hazardous.

#### Biography

My name is Rosaele Tremblay. I speak three languages (French, German and English), play the piano in my free time and take singing lessons as well. I work at the swimming pool as a slide attendant but plan on becoming a lifeguard very soon. Last year I went on a three week trip to Peru to bring supplies and clothes for street boys and work with them. It was an unforgettable experience and this year we are heading out on a German exchange for two weeks in the summer. I enjoy learning new things and I have an interest in sciences and plan to pursue a medically related career, most likely surgery.

#### Awards

#### Value

Excellence Award - Senior - Bronze Medal Sponsor: Youth Science Canada	\$100
University of Ottawa Entrance Scholarship Senior Bronze Medallist - \$1000 Entrance Scholarship Sponsor: University of Ottawa	\$1 000
Western University Scholarship Bronze Medallist - \$1000 Entrance Scholarship Sponsor: Western University	\$1 000
<b>Total</b>	<b>\$2 100</b>