

## CWSF 2012 - Charlottetown, Prince Edward Island



### Joseph Gelowitz

#### Harvesting Free Energy

**Challenge:** Innovation

**Category:** Intermediate

**Region:** Central Alberta

**City:** Crossfield, AB

**School:**

**Abstract:** The purpose of this project is to develop a jogging jacket that harvests electrostatic energy from the materials in the jacket itself and to use this free energy to illuminate lights to increase visibility in the dark. It is a sustainable solution that does not require battery power and the applications can be far reaching.

#### Biography

My name is Joseph (Joey) Gelowitz and I am a grade nine student who is homeschooled via Argyll Centre. This is my 9th year competing in Science Fair and my third visit to CWSF. Attending CWSF has changed my outlook on my future and I have made a number of wonderful life-long friends.

Physics, engineering and design are all great interests of mine and I enjoy playing soccer, volleyball and badminton, and during the winter months I cross-country ski. I live in the country so mountain biking and fishing with my friends are my favourite summer activities. I play the tenor sax with my instructor and I enjoy volunteering in the community and ushering at my church. Reading is one of my passions and I always have a book with me! I work on the family farm in the summer and attend Farmer's Markets selling our home-raised fruit. I am very grateful to the sponsors of the Central Alberta Regional Science Fair for helping me to continue my work.