

## CWSF 2007 - Truro, Nova Scotia



### Jordan Mavrinnac, Lee-Ann Vaseleniuck

#### A Day In The Life Of: Stepper Motor Control Systems

**Division:** Health Sciences / None

**Category:** Senior

**Region:** Windsor

**City:** Windsor, ON

**School:** Assumption College S.S.

**Abstract:** A pan and tilt camera created for multiple uses (such as a home security camera), keeping in mind cost effectiveness and ease of construction, installation and operation. Stepper motors were used instead of the traditional servo motors to add the element of learning how stepper motors worked and how to control them.

#### Biographies

Jordan - My name is actually Robert Jordan Mavrinnac, but I prefer to be called Jordan, because things can get confusing when your father has the same first name as you. I'm 16, going on 17 in June, and, as you can see from my project, one of my many hobbies is tinkering with electronics. Other than that, I like to build various things and tweak them to add whatever whims come to mind. Of course, they don't usually end up working as I intended. Musically, I play the electrical bass guitar, and enjoy music involving a lot of it. My favourite genres included heavy metal and thrash metal, but I really like acid rock and breakbeat techno too. During the su...

Lee-Ann - Hello, my name is Lee-Ann. I am 16 yrs. old and in gr. 11. My interests are mostly artistic. My pass-times include listening to music and reading. My music tastes include alternative rock, metal, thrash metal, and gothic rock. I particularly enjoy the Harry Potter series and the The Vampire Chronicles by Anne Rice, although I have only read the first 2 books of the latter. I have read Night and The Fifth Son by Elie Wiesel, and am looking forward to reading more of his books. I play the flute in the concert band at school and take belly dancing lessons. I also enjoy singing - I have taken singing lessons for more than 2 yrs, but I am current...