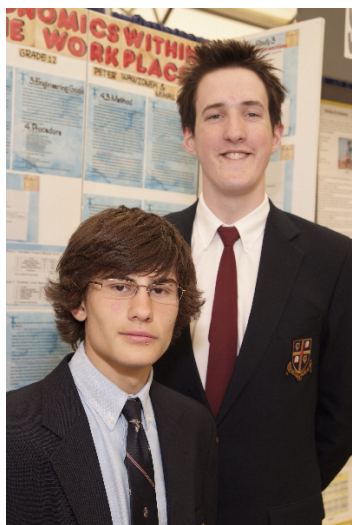


# CWSF 2007 - Truro, Nova Scotia



## Mihail Buse, Peter Wawzonek

### Ergonomics Within the Workplace

**Division:** Health Sciences / Automotive

**Category:** Senior

**Region:** Waterloo-Wellington

**City:** Kitchener, ON, Cambridge, ON

**School:** St. John's-Kilmarnock School

**Abstract:** Using four case studies, the aim in this science fair is to improve the workplace ergonomic conditions, therein reducing wear and tear on the worker's body. We have set goals to find the most prominently used muscle groups, the relationship between the amount of mass being moved and the level of muscle contraction, and to quantify the effects of several work-place variables on muscle contractions.

### Biographies

**Mihail -** Mihail Buse is a grade twelve honour student at St. John's-Kilmarnock School in Breslau, Ontario. An active member of the Human Rights Committee, Mihail has assumed a leadership role by organizing a silent auction to assist raising funds to help children in Nepal, India. Mihail will travel to Nepal with a group from the school in March 2007, in order to purchase and carry schoolbooks to schools in Nepal and deliver funds which will purchase furniture for two classrooms and learning materials for the children of this community. Mihail enjoys travel and has been to Romania, France, Greece, Cuba and Mexico. He speaks not only English, but Roma...

**Peter -** Peter Wawzonek is a grade 12 honour roll student at St. John Kilmarnock School. A member of senior school council, Peter is Manager of Tuck shop and vending machines, and brought in a "healthy snacks" policy this year. Funds earned are utilized for council initiated events and charitable causes. Extracurricular activities include acting roles in the school play, member of two choirs, rugby, basketball, wrestling teams and badminton, tennis and mountain bike club. Peter is a Shad Valley alumnus; recognized for top project, top financials, top presentation at Memorial University, NL (07/06). As a member of the National Memorial team they co...

### Awards

### Value

The Actuarial Foundation of Canada Award - Senior	\$1 000
The University of Western Ontario Scholarship Bronze Medallist - \$1000 Entrance Scholarship Sponsor: University of Western Ontario	\$1 000
Bronze Medal - Automotive - Senior Sponsor: AUTO21	\$300
Bronze Medal - Engineering - Senior Sponsor: Youth Science Foundation Canada	\$300
<b>Total</b>	<b>\$2 600</b>