

## CWSF 2005 - Vancouver, British Columbia



### Yaw Amoako -Tuffour

#### Longitudinal Suspension System: An Innovation In Automobile Safety

**Division:** Engineering & Computing Sciences

**Category:** Senior

**Region:** Strait

**City:** Antigonish, NS

**School:** Dr J.H. Gillis Regional High

**Abstract:** This project deals with the reduction of force on occupants during automobile collisions. The innovation consists of a suspension system that acts along the vehicle's longitudinal axis. This design extends the durations of collisions so as to minimize the magnitude of force transferred.

Awards	Value
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
Total	\$1 300