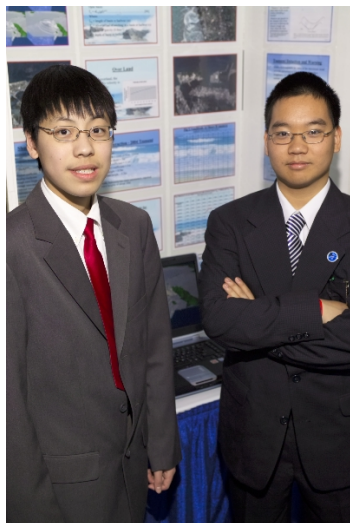


CWSF 2005 - Vancouver, British Columbia



Alan Lam, David Lam

Tsunamis: Generation, Propagation and Shore Interaction

Division: Physical & Mathematical Sciences

Category: Senior

Region: Toronto

City: Toronto, ON

School: Marc Garneau Collegiate Institute

Abstract: Theories explaining seismological tsunami generation, propagation and shore interaction were reviewed in detail. These were applied to the 2004 Sunda-Trench tsunami to determine characteristics such as wave speed, wave height, wavelength, run-up height and velocity. A basic model of a tsunami was effected to demonstrate established theory.

Awards	Value
UBC Science (Vancouver) Entrance Award	\$2 000
Senior Silver Medallist - \$2000 Entrance Scholarship Sponsor: The University of British Columbia (Vancouver)	
The University of Western Ontario Scholarship	\$1 500
Silver Medallist - \$1500 Entrance Scholarship Sponsor: University of Western Ontario	
Silver Medal - Physical & Mathematical Sciences - Senior Sponsor: Encana Corporation	\$700
Total	\$4 200