

# CWSF 2005 - Vancouver, British Columbia



## Chet Gervais

### Matrix Probe System - Evolution, Spatial Co-registration of Digital Mammography and Breast Ultrasound

**Division:** Health Sciences

**Category:** Senior

**Region:** Windsor

**City:** Amherstburg, ON

**School:** Sandwich Secondary School

**Abstract:** Mammography and breast ultrasound are the foundation of breast cancer screening and diagnosis. I designed then built a unique multi-modality `fusion` breast imaging system and successfully co-registered full-field digital mammography and breast ultrasound data sets.

Awards	Value
The Manning Innovation Achievement Award and \$4000 Manning Young Canadian Innovation Award Sponsor: Ernest C. Manning Awards Foundation	\$4 000
Canadian Acoustical Association Award Sponsor: Canadian Acoustical Association	\$500
Quality of Life Student Research Award Sponsor: Institute of Musculoskeletal Health and Arthritis of the CIHR	\$1 000
The University of Western Ontario Scholarship Bronze Medallist - \$1000 Entrance Scholarship Sponsor: University of Western Ontario	\$1 000
Bronze Medal - Health Sciences - Senior Sponsor: Canadian Institutes of Health Research	\$300
Total	\$6 800