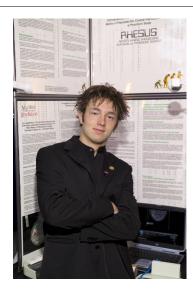




CWSF 2005 - Vancouver, British Columbia



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



