

# CWSF 2010 - Peterborough, Ontario



## Your Privacy: Now in Range A Project on Radio Frequency Identification

**Division:** Engineering & Computing Sciences

**Category:** Senior

**Region:**

**City:** ,

**School:**

**Abstract:** This project mapped the sensitivity in 3D of an RFID card reader, using a program written in C to interface to the reader. Results were also plotted in 3D, showing that card orientation relative to the reader changed both the size and shape of the sensitive region. Security and privacy aspects of RFID technology were investigated. Research into more sensitive detectors was done.

Awards	Value
Dalhousie University Faculty of Science Entrance Scholarship Senior Silver Medallist - \$2000 Entrance Scholarship Sponsor: Dalhousie University, Faculty of Science	\$2 000
UBC Science (Vancouver) Entrance Award Senior Silver Medallist - \$2000 Entrance Scholarship Sponsor: The University of British Columbia (Vancouver)	\$2 000
University of Ottawa Entrance Scholarship Senior Silver Medallist - \$3000 Entrance Scholarship Sponsor: University of Ottawa	\$3 000
The University of Western Ontario Scholarship Silver Medallist - \$2000 Entrance Scholarship Sponsor: University of Western Ontario	\$2 000
Silver Medal - Computing & Information Technology - Senior Sponsor: Intel of Canada, Ltd.	\$700
<b>Total</b>	<b>\$9 700</b>