STUDENT SUPERVISION

GRADUATE STUDENTS SUPERVISED OR CO-SUPERVISED

[1] Bobby, P., 2016 – present. Investigation of Ridged Ice Formations Based on Radar Technologies (Ph.D.).

[2] Teixeira de Silva, M., 2015 – present. A New Technique for Extraction of Ocean Spectral Information Using Bistatic HF Radar. (M.Eng.)

[3] Ma, Y., 2014 – present. Effects of Antenna Motion on HF Radar Sea Surface Sensing (Ph.D.).

[4] Liu, X., 2014 – present. Ocean Remote Sensing with Coherent X-band Marine Radar (Ph.D.).

[5] Ryan, J., 2014 – 2015. Marine Radar (Ph.D.) (withdrawn from program)

[6] Zhang, S., Fall 2013. Typhoon Observation using HF Radar (visiting Ph.D. student from Wuhan University).

[7] Liu, Y., 2012 – present. Algorithms for Wind Field Extraction from X-band Nautical Radar Images (M.Eng.).

[8] Chen, S., 2012 – present. Ionospheric Clutter Investigations for High Frequency Radar (Ph.D.).

[9] Ryan, B., 2011 – present. High Frequency Radar for Ice and Ice Berg Remote Sensing (fast-track M.Eng.).

[10] Norga, M., 2011 – 2013. Factors Affecting Error Bounds in the Use of High Frequency Radar for the Remote Sensing of the Ocean Surface – An Analysis Incorporating Pulsed and Frequency Modulated Continuous Wave Sources (M.Eng.).

[11] Shen, C., 2011 – 2013. The High Frequency Surface Wave Radar Cross Section for Ocean Swell: Derivation and Inversion (M.Eng.).

[12] An, J., 2010 – 2013. Extraction of Ocean Wave Information from Microwave Nautical Radar Images: Fourier Method VS Wavelet Method (M.Eng.).

[13] Hansen, N., 2010 – present. Small Targets in the Presence of Marine Radar Ocean Clutter (Ph.D.).

[14] Al-Habashneh, A., 2010 – present. Image Processing of Marine Radar Data for Ocean Surface Applications (Ph.D.).

[15] El-Darymli, K., 2009 – present

[16] Hickey, K., 2001-2012 (deceased). Clutter Suppression Schemes for HF Radar Sea Echo (Ph.D.).

[17] Churchill, S., 2002 – 2009. Multisensor Fusion for Ocean Target Detection (M.Eng.).

[18] Power, C., 2002 – 2009. Emergency Personnel Locator Using RFID in Harsh Environments (M.Eng.). (withdrew from program)

[19] Rowsell, D., 2002 – 2009. UHF Radar Detection of Small Ocean Targets (M.Eng).

[20] Pittman, M., 2003 – 2010. Rough Surface Scattering – Removal of the Slope Constraint (M.Eng.). (withdrew from program)

[21] Zhang, J., 2004 – 2009. On the Variability of Doppler Spectra in HF Radar Remote Sensing over the Ocean Surface (Ph.D.).

[22] Jin, Q., 2004 – 2007. Design of Models for Measuring Surface Currents Using Bistatic HF Radar (M.Eng.).

[23] Crane, B., 2005 – present. Ocean Parameter Analysis and Validation with HF Surface Wave Radar (M.Eng.).

[24] Green, D., 2002 – 2005. Extraction of Wind Speed and Direction from HFGWR Data (M.Eng.). Winner of the David Dunsiger Award for Excellence in Graduate Studies (Engineering)

[25] Huang, W., 2002 – 2004. The Second-order HF Bistatic RCS for Ocean Patch Scatter (M.Eng.).

[26] Sircar, S., 2002 – 2004. Measuring Lateral Ground Movement with DIN-SAR (M.Eng.).

[27] Zhang, J., 2001 – 2004. An Algorithm for the Extraction of Ocean Wave Information from Bistatic HF Groundwave Radar Data – A simulation (M.Eng.).

[28] Bobby, P., 2000 – 2003. Estimation of Vector Surface Currents Beyond the Region of Overlap of Dual-Site HF Radar: An Implementation of the Continuity Equation (fast-track M.Eng.).

POST-DOCTORAL FELLOWS SUPERVISED

[1] Wei Wang, May 2012 – present

[2] Jianjun Zhang, June 2010 – June 2011.

[3] Weimin Huang, September 2004 – April 2007.

NSERC UNDERGRADUATE STUDENTS SUPERVISED

[1] Nhac Nguyen, September 2013 – December 2013

[2] Mike Royle, September 2012 – December 2012

[3] Bernard Ryan, September 2010 – December 2010

[4] Andrew Myrden, September 2008 – December 2008

UNDERGRADUATE CAPSTONE PROJECT SUPERVISION (RECENT)

[1] Gregory Ball, May 2011 – April 2012, Software Development for Microwave Navigation Radar Application (B.Eng.).

[2] Matthew Dinn, May 2011 – April 2012, Software Development for Microwave Navigation Radar Application (B.Eng.).

[3] Bernard Ryan, May 2011 – April 2012, Software Development for Microwave Navigation Radar Application (B.Eng.).

> **Note:** I have also supervised or co-supervised **19 other Final Year Senior Design Projects** for Electrical and Computer Engineering students. Several of these have obtained awards from the local IEEE Section for project excellence. I have also served as a **Supervisory Committee member** for two additional Ph.D. students.