PUBLICATIONS

Articles in Refereed Journals: Published or Accepted

Student names (or postdoctoral fellows) are in **bold type**.


**Submitted or In Preparation for Submission to Refereed Journals**


**Refereed International and National Conferences**


[52] **An, J.**, W. Huang, E. W. Gill, “2-D Continuous Wavelet Based Algorithm for Extracting Wave Information from Nautical Radar Images”, *IEEE RadarCon'13*, Ottawa, Canada, 2013. (Best Student Paper Award)


[58] Walsh, J., W. Huang, W., and E.W. Gill, Further Analysis of the Second-order High Frequency Radar Ocean Surface Cross Section for an Antenna on a Floating Platform, IEEE-AESS RadarCon, Atlanta, USA, 2012. (Full paper review)

[59] Huang, W. and E. Gill, Extraction of Sea Surface Wind Direction from Bistatic High-Frequency Radar Doppler Spectra, Oceans’11, IEEE Conference and Exhibition, Hawaii, USA, 2011. (Extended abstract review)


[63] Zhang, J., E.W. Gill, and J. Walsh, High Frequency (HF) Radar Cross Sections of the Ocean Surface Incorporating a Continuous Wave Frequency Modulated Source Oceans’08, MTS/IEEE Conference and Exhibition, Quebec City, Canada, 2008. (Extended abstract review)


[85] Gill, E.W., M. Khandekar, R. Howell, and J. Walsh, Over-the-Horizon Ocean Surface Wave and Wind Measurements Using Narrow Beam Ground Wave Radar:


**Radiowave Oceanography Workshop Contributions**

This is an international 4-day workshop of 35 to 40 HF radar experts and users (mainly physicists and engineers) where the latest models and applications of the science and technology associated with the remote sensing of the oceans via HF radar, as well as required research directions, are discussed. While it is not a ‘refereed’ workshop, it is probably the single most important venue for the dissemination of research expertise in this field and input is invited from a small group of experts. Our group at Memorial University is among a minority of participants who are deeply involved with the basic and applied science underlying the technology.


**Other Conference/Workshop Contributions**
(All, but one, of the following were presentations at the local yearly Newfoundland Electrical and Computer Engineering Conference (NECEC) and appear in the Proceedings.)


[105] M. Norga, E. Gill, The Scattering of High Frequency Electromagnetic Radiation From the Ocean Surface-A Time Domain Model Incorporating Additive White Gaussian


In Preparation for Submission or Submitted to International Conferences:


**Other Publications**


* The **Governor-General’s Gold Medal** is a University-wide honour awarded for the highest academic standing in the doctoral program.

** The **Dunsiger Award for Thesis Excellence** is the highest honour of the Faculty of Engineering and Applied Science awarded for excellence in graduate studies.

**RESEARCH REPORTS**