

Jiaqi An



1. **Background**

B.Eng., Chongqing University, 2009

M.Eng. Memorial University, Oct., 2013

2. **Thesis and Supervisors**

Extraction of Ocean Wave Information from Microwave Nautical Radar Images: Fourier Method VS Wavelet Method

• **Supervisors: Dr. Weimin Huang & Dr. Eric Gill**

3. **Publication**

- 1) J. An, W. Huang, E. W. Gill, “[A Self-Adaptive Wavelet-Based Algorithm for Wave Measurement Using Nautical Radar](#)”, *IEEE Trans. Geosci. Remote Sens.*, vol. 53, no. 1, pp. 567-577, 2015.
- 2) W. Huang, E. Gill, and J. An, “Iterative Least-squares-based Wave Measurement Using X-band Nautical Radar”, *IET Radar Sonar Navig.*, vol. 8, no. 8, pp. 853-863, 2014.
- 3) J. An, 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.
- 4) J. An, W. Huang, E. W. Gill, “[An enhanced Algorithm for Wave Information Extraction from X-band Nautical Radar Images](#)”, *Oceans'12 MTS/IEEE*, Hampton Roads, USA, 2012.
- 5) J. An, W. Huang, “[Extraction of Fundamental Wave Components Information from X-Band Nautical Radar Images](#)”, *IEEE NECEC Conference*, Newfoundland, Canada, 2012.
- 6) J. An, W. Huang, E. Gill, “[Numerical Simulation of X-Band Marine Radar Imaging](#)”, *IEEE NECEC Conference*, Newfoundland, Canada, 2011.

4. **Award**

- Fellow of School of Graduate Studies
- Best Student Paper Award of *IEEE RadarCon'13*, Ottawa, Canada, 2013.
- RDC Ocean Industrial Student Research Award (2012-2013)
- 1st Prize of IEEE OES Chapter Paper Awards of *IEEE NECEC Conference*, Newfoundland, Canada, 2011.