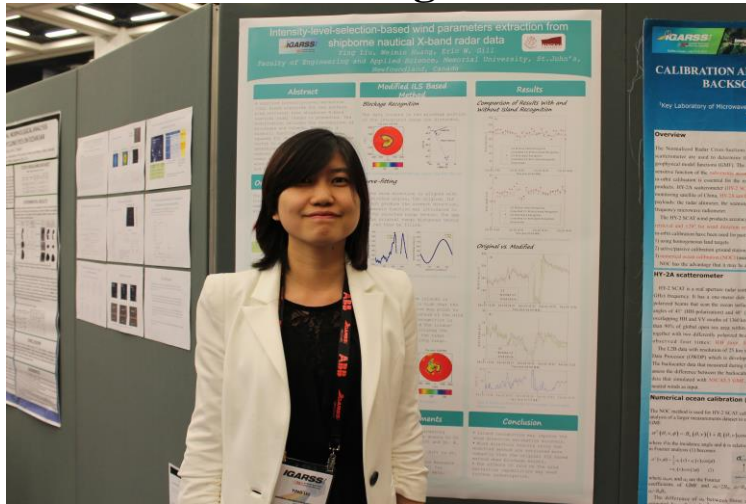


Ms. Ying Liu



1. **Background**

B.Sc., Wuhan University, 2011

M.Eng. Memorial University, May 2015

2. **Thesis and Supervisors**

Algorithms for Sea Surface Wind Parameters Extraction from X-band Shipborne Nautical Radar Images

• Supervisors: Dr. Eric Gill, Dr. Weimin Huang

3. **Publication**

- 1) W. Huang, Y. Liu, E. W. Gill, "Texture-Analysis-Incorporated Wind Parameters Extraction from Rain-contaminated X-band Nautical Radar Images", *Remote Sens.*, vol. 9, no. 2, 166, 2017.
- 2) Y. Liu, W. Huang, E. W. Gill, D. Peters, and R. Vicen-Bueno, "Comparison of Algorithms for Wind Parameters Extraction from X-band Shipborne Marine Radar Images", *IEEE J. Sel. Topics Appl. Earth Observ. Remote Sens. (JSTARS)*, vol. 8, no. 2, pp. 896-906, 2015
- 3) Y. Liu, W. Huang, and E. W. Gill, "Analysis of the Effects of Rain on Surface Wind Retrieval from X-band Marine Radar Images", *Oceans '14 MTS/IEEE*, St. John's, Canada, 2014.
- 4) Y. Liu, W. Huang, and E. W. Gill, "Intensity-level-selection-based wind retrieval from shipborne nautical X-band radar data", *IEEE International Geoscience and Remote Sensing Symposium*, Quebec, Canada, pp. 4386-4389, 2014.
- 5) Y. Liu, W. Huang, E. W. Gill, and D. Peters, "Dual-curve-fitting based wind parameters extraction from shipborne nautical X-band radar data", *Oceans '14 MTS/IEEE*, Taipei, Taiwan, 2014.
- 6) Y. Liu, W. Huang, E. Gill, and D. Peters, "Wind Direction Retrieval from Shipborne Nautical X-Band Radar Data", *IEEE NECEC Conference*, Newfoundland, Canada, 2013.

4. **Award**

• Fellow of School of Graduate Studies