



**Ms. Yali Wang**

**1. Background**

*B.Eng., Xidian University, 2012*

*M.Eng., Memorial University, May 2016*

**2. Thesis and Supervisors**

*Algorithms for Wind Parameter Retrieval from Rain-contaminated X-band Marine Radar Images*

- Supervisor: Dr. Weimin Huang

**3. Publication**

- 1) W. Huang and Y. Wang, “A Spectra-analysis-based Algorithm for Wind Speed Estimation from X-band Nautical Radar Images,” *IEEE Geosci. Remote Sens. Lett.*, vol. 13, no. 5, pp. 701-705, 2016.
- 2) Y. Wang and W. Huang, “A New Method for Wind Speed Extraction from X-band Nautical Radar Data,” 3rd Ocean Radar Conf. Asia-Pacific, Wuhan, China, pp. 111-114, 2016.
- 3) Y. Wang and W. Huang, “Wind Speed Extraction from X-band Nautical Radar Data,” *MTS/IEEE Oceans*, Shanghai, China, 2016. (3<sup>rd</sup> prize of Student Poster Competition)

- 4) Y. Wang and W. Huang, “[An Algorithm for Wind Direction Retrieval from X-band Marine Radar Images](#),” *IEEE Geosci. Remote Sens. Lett.*, vol. 13, no. 2, pp. 252-256, 2016.
- 5) Y. Wang and W. Huang, “[Wind Speeds Retrieval from X-band Nautical Radar Images](#),” *IEEE NECEC Conference*, Newfoundland, Canada, 2015.
- 6) Y. Wang, W. Huang, “[Wind Direction Retrieval from Rain-contaminated X-band Nautical Radar Images](#),” *MTS/IEEE Oceans*, Washington DC, USA, 2015. (Best Student Poster Competition Finalist)
- 7) Y. Wang and W. Huang, “[A review of microwave radar backscatter from sea surface at low grazing angles](#),” *IEEE NECEC Conference*, Newfoundland, Canada, 2014.

#### **4. Award**

- 3<sup>rd</sup> Prize of Student Poster Competition Finalist, MTS/IEEE Oceans, Shanghai, China, 2016
- Best Student Poster Competition Finalist, MTS/IEEE Oceans, Washington DC, USA, 2015
- Fellow of School of Graduate Studies