Ms. Yue Ma

1. ***Background***

B.Eng., Harbin Institute of Technology, 2011
M.Eng., Harbin Institute of Technology, 2013
PhD, Memorial University, October 2017

2. ***Thesis and Supervisors***

Bistatic HF Radar Sea Surface Radar Cross Section Models for an Antenna on a Floating Platform

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

3. ***Publication***

1) Y. Ma, E. W. Gill, and W. Huang, "High Frequency Radar Cross Sections of the Ocean Surface Incorporating Pitch and Roll Motions of a Floating Platform," *MTS/IEEE Oceans*, Kobe, Japan, 2018.
2) Y. Ma, E. W. Gill, and W. Huang, "HF radar ocean cross section models with consideration of platform pitch and roll motions," *IEEE NECEC Conference*, St. John's, Canada, 2017.
3) E. W. Gill, Y. Ma, and W. Huang, "Motion Compensation for High Frequency Surface Wave Radar on a Floating Platform," *IET Radar Sonar Navig*., 2017. (in press, DOI: 10.1049/iet-rsn.2017.0220)

4) Y. Ma, E. W. Gill, and W. Huang, "Bistatic High Frequency Radar Ocean Surface Cross Section Incorporating a Dual-Frequency Platform Motion Model," *IEEE J. Oceanic Eng.*, 2017. (invited paper, in press, DOI: 10.1109/JOE.2017.2713110)
5) Y. Ma, W. Huang, and E. W. Gill, "High Frequency Radar Ocean Surface Cross Section Incorporating a Dual-Frequency Platform Motion Model," *IEEE J. Oceanic Eng.*, 2017. (invited paper, in press, DOI: 10.1109/JOE.2017.2701961)
6) Y. Ma, W. Huang, and E. W. Gill, "Motion Compensation for Platform-Mounted High Frequency Surface Wave Radar," *IEEE International Radar Symposium*, Prague, Czech, 2017.
7) Y. Ma, W. Huang, and E. W. Gill, "Motion Compensation for High Frequency Surface Wave Radar on a Floating Platform," *IEEE NECEC Conference*, Newfoundland, Canada, 2016.
8) Y. Ma, E. W. Gill, and W. Huang, "First-Order High Frequency Radar Ocean Surface Cross Section Incorporating a Dual-Frequency Platform Motion Model," *MTS/IEEE Oceans*, Monterey, USA, 2016. (3rd Prize of Student Poster Competition)
9) Y. Ma, W. Huang, and E. W. Gill, "Bistatic High Frequency Radar Ocean Surface Cross Section for an FMCW Source with an Antenna on a Floating Platform," *Int. J. Antennas Propag.*, vol. 2016, p. ID 8675964, 2016.
10) Y. Ma, W. Huang, and E. W. Gill, "The Second-Order Bistatic High Frequency Radar Ocean Surface Cross Section for an Antenna on a Floating Platform," *Can. J. Remote Sens.*, vol. 42, no. 4, pp. 332-343, 2016.
11) Y. Ma, E. W. Gill, and W. Huang, "First-Order Bistatic High-Frequency Radar Ocean Surface Cross-Section for an Antenna on a Floating Platform," *IET Radar Sonar Navig.*, vol. 10, no. 6, pp. 1136-1144, 2016.
12) Y. Ma, W. Huang, and E. W. Gill, "The First-Order FMCW Bistatic High Frequency Radar Cross Section for an Antenna on a Floating Platform," *IEEE NECEC Conference*, Newfoundland, Canada, 2015.
13) Y. Ma, W. Huang, E. W. Gill, "The Second-Order Bistatic High Frequency Radar Scattering Cross Section of the Ocean Surface for the Case of Floating Platform," *MTS/IEEE Oceans*, Washington DC, USA, 2015.
14) Y. Ma, E. W. Gill, W. Huang, "The First-Order Bistatic High Frequency Radar Scattering Cross Section of the Ocean Surface for the Case of Floating Platform," *MTS/IEEE Oceans*, Genova, Italy, 2015. (invited paper)
15) Y. Ma, E. W. Gill, and W. Huang, "Comparison of Antenna-Motion-Incorporated High Frequency Bistatic Radar Cross Sections of the Ocean Surface with Earlier Models," *36th Canadian Symposium on Remote Sensing*, Newfoundland, Canada, 2015.
16) Y. Ma, E. W. Gill, and W. Huang, "A Review of High Frequency Radar Cross Section of the Ocean Surface," *IEEE NECEC Conference*, Newfoundland, Canada, 2014.

4. ***Award***

- 3rd Prize of Student Poster Competition, MTS/IEEE Oceans, Monterey, USA, 2016
- Fellow of School of Graduate Studies