



## Ocean Frontier Institute

### PHD POSITION (Four-year award, valued at CAD 92,000)

#### Module 'N': Safe Navigation & Environment Protection

**Module 'N' Summary:** Established with support from the Canada First Research Excellence Fund, the [Ocean Frontier Institute \(OFI\)](#) is an international hub for ocean science, bringing together researchers and institutes from the North Atlantic rim to understand the changing ocean and create safe, sustainable solutions for development.

Focusing on Safe Navigation and Environment Protection, Module 'N' is a major research project funded by OFI to investigate how ocean change and anthropogenic impacts on the transportation corridor between the Northwest Atlantic and Canadian Eastern Arctic Gateway influence our understanding of risk, policy, management and regulatory efforts aimed at enhancing navigation safety, environment protection from the impacts of shipping, conflict management between ocean uses, and protection of Indigenous Peoples' interests.

#### Marine Affairs Interdisciplinary PhD (IdPhD)

**Position Summary:** This position is at the intersection of geographic information science and social science, within a thematic context of marine management and shipping governance. Research will look at the effects of shipping in Inuit communities in the Canadian Eastern Arctic. The research will be twofold: 1) to explore Inuit concepts of marine space, and the ways in which cultural, social and economic value can be rendered through GIS; and 2) seek to analyze and visualize how shipping (noise, atmospheric emissions, routing) can affect Inuit marine use of marine and coastal spaces.

**Requirements:** The ideal candidate will have a background in GIS, with demonstrated knowledge/interest in social science (e.g. cultural geography, marine management, anthropology, sociology). Knowledge of Marxan Analysis will be an asset. Applicants are advised to consult the PhD admission requirements at the Faculty of Graduate Studies (Interdisciplinary PhD): [dal.ca/faculty/gradstudies](http://dal.ca/faculty/gradstudies)

**Start date:** The successful candidate will enrol in the IdPhD program with the Marine Affairs Program, Dalhousie University, for the September 2018 Fall Term and work under the supervision of [Professor Claudio Aporta](#) and be supported by a multidisciplinary team. The successful candidate will work in Professor Aporta's visualization lab. For further information, please contact: "Re PhD Module N" [marine.affairs@dal.ca](mailto:marine.affairs@dal.ca).

**Application Deadline:** February 28<sup>th</sup> 2018

