

Research Participants Recruitment

Research Title: *Understanding the safety of low/non-ice-class ships navigation in Canadian waters using functional resonance analysis method (FRAM)*

We are looking for volunteers among current or former ship masters, officers, ice navigators, and route planners who have experienced or have been involved in at least one ship voyage in the presence of sea ice in Canadian waters to participate in an interview about route planning and execution in Canadian waters.

My name is Amin Attarzadeh, and I am a master's student in Ocean and Naval Architectural Engineering at the Memorial University of Newfoundland. I am conducting a research project titled "Understanding the safety of low/non-ice-class ships navigation in Canadian waters using functional resonance analysis method (FRAM)" as a part of my master's thesis under the supervision of Dr. Doug Smith and Dr. Bruce Quinton. This study aims to understand the safety of ship navigation in Canadian waters by identifying different activities and their relationships required for making decisions for route planning and navigation before and during an actual operation.

I am inviting volunteers to participate in an interview in which they will be asked to discuss sequences and requirements of activities usually done for planning, execution, and monitoring ship navigation in Canadian waters in different situations, especially in the presence of sea ice. Results will be used to understand bridge teams' decision-making factors and their positive impact on navigation resilience and maintaining safety in icy waters. Participants will be asked to provide their free consent and their navigation experience in forms that will be sent to them before the interview. Interviews will be held and recorded via videoconference. Interview transcripts will be sent to participants for review/approval. Once the transcript is approved, the recording will be deleted. Interviews are expected to be two hours maximum (15min briefing, 90min interview, 15min closing), and the transcript review will be approximately one hour.

If you are interested in participating in this study or have any questions about me or the projects, please contact me, Amin Attarzadeh, by Email at a.attarzadeh@mun.ca.

If you know suitable people who may be interested in participating in this study, please give them a copy of this information.

If you choose to participate in this research, you can withdraw at any time without providing any reasons, and there will not be any consequences for you. Research is designed to protect the anonymity of participants, and your participation in this study will not affect your employment. The research report can be shared with participants when the study is complete.

The proposal for this research has been reviewed by the Interdisciplinary Committee on Ethics in Human Research and found to be in compliance with Memorial University's ethics policy. If you have ethical concerns about the research, such as your rights as a participant, you may contact the Chairperson of the ICEHR at icehr.chair@mun.ca or by telephone at 709-864-2861.

Thank you in advance for considering my request,

Amin Attarzadeh