



Postdoctoral Fellow in Maritime Transportation and Coastal Community Resilience

Island and coastal communities are highly dependent upon maritime transportation systems. These systems face many hazards, from labour strikes at ports to oil spills and earthquakes. When maritime transportation is disrupted, the communities that rely on them can quickly experience severe impacts. For example, it has been estimated that Vancouver Island (pop. 750,000) has only 3~5 days' worth of food and fuel on the Island. The goal of the Maritime Transportation Disruption project (<http://www.resilientcoasts.ubc.ca/marine-transport/>) is to develop tools and stakeholder engagements to increase the resilience of maritime transportation systems and the communities that rely on them. The research team is led by Profs. Stephanie Chang, Hadi Dowlatabadi, and Terje Haukaas at the University of British Columbia. The initial emphasis of the project is on fuel supply to coastal communities, with a geographic focus on the Strait of Georgia region of British Columbia, Canada.

POSITION

The research team is seeking a highly qualified researcher to fill a Postdoctoral Fellow position in Maritime Transportation and Coastal Community Resilience. The successful candidate will undertake research on **one or more** of the following dimensions of the overall project related to maritime transportation disruption:

- (1) The demand for fuel in disaster situations by households, businesses, emergency responders, etc., including issues of differential vulnerability (e.g., vulnerable populations, large v. small cities), emergency preparedness, and approaches to increasing resilience;
- (2) Remote communities, including coastal First Nations;
- (3) Food supply;
- (4) Emergency medical supply.

The research team is open to different methodological approaches, such as surveys, expert interviews, ethnographic methods, workshops and focus groups, and computer simulation modeling. The postdoctoral fellowship will begin as soon as possible and will be awarded for a one-year period with possibility of extension. Salary will be commensurate with qualifications and experience.

QUALIFICATIONS

The successful candidate will be someone who:

- Has expertise in the methods being proposed;
- Has knowledge of coastal communities, coastal hazards, and maritime transportation systems;
- Has strong interest in conducting interdisciplinary, applied research;
- Holds a Ph.D. in a relevant field, with experience in interdisciplinary research;
- Has demonstrated high productivity in producing peer-reviewed publications;
- Works well both independently and as part of an interdisciplinary team;
- Has strong time management and organizational skills; and
- Is able to communicate effectively with researchers in various disciplines as well as non-academic members of governments, communities, and the private sector.

APPLICATION

Applicants should submit a c.v., two to three representative publications or papers, a statement of research interests, and contact information for three referees by email to Dr. Stephanie Chang (stephanie.chang@ubc.ca). The position is available immediately (as of Dec. 1, 2015) and applications will be reviewed upon receipt.