

MSc / PhD Researchers in Marine Renewable Energy Systems

Institution: University of Victoria, Mechanical Engineering

Location: Victoria, British Columbia, Canada

Appointment Type: 4-yr PhD and 2-yr MSc opportunity

Start Date: Available Immediately

Position Overview

[Dr. Bryson Robertson](#) in [Mechanical Engineering](#), and the [Institute of Integrated Energy Systems \(IESVic\)](#), at the University of Victoria has active opportunities for one (1) Doctoral (PhD) and one (1) Master of Science (MSc) graduate students to join his dynamic and interdisciplinary research team. The successful candidate will help direct innovative research at the intersection of ocean renewable resources, technology development, and integrated value to communities and utilities.

Under the mentorship of Dr. Robertson, the successful candidates will develop the necessary skills and knowledge to drive transformation research in marine renewable energy. Potential projects include: Technoeconomic geospatial analyses of wave energy resources to support community and First Nation objectives, control co-design of wave energy converters, autonomous docking and recharge of autonomous underwater vehicles to wave energy converters, real-time hybrid modelling of small-scale ocean technologies, amongst others. Suitability of candidates and projects will be determined through interviews and discussions.

Based in beautiful Victoria, Canada, this position offers an excellent opportunity for new graduate students to expand their knowledge base, build new skills, publish high-impact work, and collaborate with leading scientists in a supportive and intellectually stimulating environment.

Key Responsibilities

- Conduct independent and collaborative research aligned around ocean renewable energy systems.
- Publish research findings in peer-reviewed journals and present at academic conferences
- Mentor undergraduate co-op students
- Collaborate with interdisciplinary teams and external partners

Minimum Qualifications

- A completed undergraduate degree in relevant field to ocean renewable energy systems (Engineering, physics, etc.).
- Excellent written and verbal communication skills
- Ability to work both independently and as part of a collaborative research team
- Evidence of the desire, curiosity, and ability to overcome challenges.

Preferred Qualifications

- Experience with oceans, waves, or moving mechanical systems
- Familiarity with energy systems and renewable energy technologies.

- Analytical and/or numerical simulation background.
- Strong interdisciplinary collaboration skills

Compensation and Benefits

- Competitive graduate student salary (\$28,000 per year)
- Comprehensive benefits package (extended health & dental)
- Professional development and training opportunities
- Access to state-of-the-art research facilities and resources
- Support for conference travel and publication costs

Application Process

Applicants should submit the following materials:

1. Cover letter outlining research interests and ambitions for graduate school.
2. Curriculum Vitae (CV)
3. Contact information for 2x professional references
4. (Optional) Sample publications or writing samples

Application Deadline: Open until filled.

Applications should be submitted as a single PDF document to:

Dr. Bryson Robertson
Director, Institute for Integrated Energy Systems
Bryson@uvic.ca

Equal Opportunity Statement

UVic is committed to upholding the values of equity, diversity, inclusion and [human rights](#) in our living, learning and work environments. In pursuit of our values, we seek members who are eager to actively participate in that shared responsibility. We actively encourage applications from members of [historically and systemically marginalized groups](#). Read our [full equity statement](#).

