



## **Technical Positions in Marine Renewable Energy (Wind, Wave, Tidal)**

### **Pacific Regional Institute for Marine Energy Discovery (PRIMED)**

#### **Institute for Integrated Energy Systems (IESVic)**

#### **University of Victoria**

**Position start date: January/February 2019**

These positions will be working with the Pacific Regional Institute for Marine Energy Discovery (PRIMED - <http://www.uvic.ca/wcwi/>). PRIMED is a major collaborative research project with private sector partners and an international collection of wave energy converter technology developers, to assess the gross, net and usable wave energy resource off the coast of the Pacific Northwest. PRIMED uses wave monitoring buoys and near shore wave propagation models to determine the raw wave energy resource, high fidelity computer simulations to predict the converter output, and electrical grid integration toolboxes to understand the value of marine renewables when installed at targeted locations in the region.

We are seeking to fill two technical positions within marine renewable energy (wind, wave and tidal) field:

Position 1 will focus on the integration of marine renewable energy generation technologies into grid connected and off-grid electricity systems. The work may include: technology modelling, grid modelling and electricity system optimization.

Desirable attributes:

- Experience with numerical modelling and optimization.
- Proficiency in Matlab or similar programming languages.
- Some background in energy systems (optional).
- Some background in marine hydrodynamics (optional).

Position 2 will help manage the PRIMED wave sensor network as well as act as a community liaison and engagement person. PRIMED currently operates a fleet of wave buoys and one ADCP which are deployed in various locations and communities throughout BC. This position will be responsible for the logistics of deployment, recovery, monitoring and maintenance of this equipment.

Desirable attributes:

- Experience with scientific instruments.
- Comfortable in the marine environment.
- Personable, energetic and a natural networker.
- An ability to communicate clearly with a non-technical audience.
- Experience with ocean wave measurements (optional).

Work location is primarily at the Marine Technology Centre in North Saanich, BC.

The successful candidates will have obtained an undergraduate degree in engineering or a relevant program (preferably with a minimum GPA of 5.0 (B), or equivalent). The ideal candidate: will have proven success with being able to work independently, have excellent communication and interpersonal skills and a demonstrated ability to collaborate with others.

Positions are funded until March 2020, with likely funding renewal. Preference will be given to Canadian citizens and permanent residents.

Interested candidates should email a detailed curriculum vitae, a covering letter and names and contact information of at least two professional references to:

**Mr. Clayton Hiles**  
**Institute for Integrated Energy Systems (IESVic)**  
**University of Victoria**  
**email: [cehiles@uvic.ca](mailto:cehiles@uvic.ca)**

include “**PRIMED Position**” in the subject line.