University of Victoria | Institute for Integrated Energy Systems

WCWI

# Post-Doctoral Research Position

## Wave Energy Converter Modeling and Control

**University of Victoria, West Coast Wave Initiative**

**Institute for Integrated Energy Systems**

**Starting Date: Feb 1, 2016**

We are seeking a Post-Doctoral Fellow to assist in the development of high fidelity wave energy converter (WEC) models; specifically, multi-body numerical simulations, mooring analyses and WEC control strategies. The successful candidate will have obtained a PhD in a field related to wave energy conversion and an undergraduate degree in engineering. The ideal candidate will have a track record of research publications, working independently, demonstrated excellent communication and interpersonal skills.

This position will be part of the West Coast Wave Initiative (WCWI - http://www.uvic.ca/wcwi/), a federally funded research program mandated to quantitatively determine the feasibility, impacts and opportunity costs of wave energy generation on the west coast of Canada. Through collaboration with local service providers and numerous international wave energy conversion (WEC) technology developers, WCWI is spearheading Canadian investigation into the wave –to-wire energy conversion process. The WCWI uses wave monitoring buoys and near shore wave propagation models to determine the raw, or gross, wave energy in this region and high fidelity computer simulations to predict the converter output, or net wave power, when installed at targeted locations in the region.

The Post-Doctoral fellow will be hosted in the Department of Mechanical Engineering and based in the stimulating multi-disciplinary environment of the Institute for Integrated Energy Systems (IESVic); http://www.iesvic.uvic.ca). The WCWI collaborates with leading wave energy researchers at other institutions in Canada and abroad, and industrial partners.

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

Prof. Brad Buckham
Institute for Integrated Energy Systems (IESVic)
University of Victoria
P.O. Box 1700, Victoria, BC V8W 2Y2 Canada
email: BBuckham@uvic.ca Including “PDF candidate” in the subject line.