



Oregon State
University

Pacific Marine Energy Center
Oregon State University
338 Owen Hall
Corvallis, Oregon 97331

10/7/2020

**Postdoctoral Scholar Position
with the Pacific Marine Energy Center
and
School of Civil and Construction Engineering
Oregon State University, Corvallis, Oregon**

Position:

The Pacific Marine Energy Center (PMEC) at Oregon State University is recruiting a post-doctoral scholar to provide marine energy research, development, testing, and student mentoring support. PMEC has a wide range of R&D activities on-going and is looking for an inquisitive, self-motivated, and passionate PostDoc to join our team.

PMEC is a competitively designated U.S. Department of Energy (DOE) Center focused on the responsible advancement of marine energy by expanding scientific understanding, engaging stakeholders, and educating students. Within PMEC, researchers from Oregon State University, the University of Washington, and the University of Alaska Fairbanks work closely with marine energy technology developers, academic and National Laboratory researchers, coastal community members, ocean users, federal and state regulators, and other government officials, to address key challenges in the sector and accelerate its emergence. We serve as an objective voice regarding the opportunities, capabilities, and effects of marine energy, including wave, tidal, riverine, and offshore wind resources. For additional information about the activities within PMEC, please visit: www.pmec.us

Given the breadth of on-going projects (from real-time hybrid modelling of offshore wind turbines, new wave maker designs, WEC-based AUV-recharge, hydrodynamic optimization, non-linear waves, PTO control, etc ...), the exact position responsibilities will be designed to maximise the benefit of the successful applicant's skills and assist them to achieve personal research objectives.

This is a full-time, 12-month Postdoctoral Scholar position, located in Corvallis, Oregon. Position is a 1-year appointment; however, extension is possible based on satisfactory performance and mutual agreement.

Responsibilities:

The successful applicant will:

- Collaborate with the PMEC Director and PMEC-affiliated faculty to conduct cutting edge research, develop and conduct a variety of tests for wave and offshore wind prototypes.
- Conduct numerical and physical modelling of marine energy technologies; possibly including mechanical, hydrodynamic and electrical design aspects.
- Support undergraduate and graduate student success
- Collaborate across engineering, social science, liberal arts and humanities research streams

Required Qualifications:

- Ph.D. in in relevant engineering disciplines (mechanical, civil, ocean, electrical, environmental).
- Proven track-record of independent research, critical thinking, and successful academic publications.
- Excellent written and verbal communication skills.
- Experience in marine energy, hydrodynamic and aerodynamic numerical modelling codes (WEC-Sim, ProteusDS, FAST, OrcaFlex) and mechanical design (Solidworks, CAD, and manufacturing skills).
- Experience with physical testing of scaled prototypes in wave tanks, flumes, electrical laboratories, etc.

Position available: November 1, 2020 (open until filled)
U.S. citizens and residents will be prioritized.

Stipend and benefits conform with postdoctoral scholar standards at Oregon State. More information about postdoctoral scholar appointments at Oregon State can be found at <http://gradschool.oregonstate.edu/postdocs>

Application:

For full consideration, apply by October 30th. Applicants must send the following documents in a single PDF file (*Word documents will not be opened*) to the contact listed below:

- A detailed CV and academic transcript
- A one-page statement describing your background and how you fit the advertised position
- Contact information for three references

The subject line of your email should contain the following text: **"PMEC Post-doctoral scholar in Marine Energy (your last name)."** Please note that only candidates that meet the required skills and expertise will be contacted.

Contact:

B. Langley
Operations Manager, Pacific Marine Energy Center
Oregon State University
Corvallis, Oregon, USA
Email: brenda.langley@oregonstate.edu