PhD Student (GA) in Marine Renewable Energy Systems Multidisciplinary Design Optimization
University of Memphis

Job Title	PhD Student (GA) in Marine Renewable Energy Systems Multidisciplinary Design Optimization
Department	Mechanical Engineering https://memphis.edu/me
Institution	University of Memphis Memphis, Tennessee
Date Posted	Aug. 5, 2024
Application Deadline	Open until filled
Position Start Date	Available Immediately
Job Categories	Graduate Student Graduate Student
Academic Field(s)	Engineering Mechanics Civil Engineering Aerospace/Aeronautical/Astronautics Aerospace/Aeronautical/Astronautics Engineering - Other Engineering - Other Engineering Mechanics Energy Technology Energy Technology Civil Engineering Industrial & Systems Engineering Industrial & Systems Engineering Mechanical Engineering Mechanical Engineering Naval Architecture & Marine Engineering Naval Architecture & Marine Engineering Ocean Engineering

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Ocean Engineering
Structural Engineering
Structural Engineering
Sustainable Engineering
Sustainable Engineering

Job Website https://yonghoonlee.com

Apply By Email yhlee@memphis.edu

Job Description

Graduate Assistant (GA) Opportunity: to begin in Fall 2024 (or potentially Spring 2025)

Please note: Fall 2024 admission is still possible, if the student is already in the United States, and readily have a GRE score that is above the minimum requirement.

Lee Research Group at the University of Memphis (housed in the Department of Mechanical Engineering) is looking for one highly motivated Ph.D. student with research interests among the following areas:

- Fluid dynamics, Aerodynamics, or Hydrodynamics
- Multidisciplinary design optimization (MDO)
- Ocean renewable energy systems, including wave energy converters, floating offshore wind turbines, among others.
- Marine engineering, Naval Architecture, Floating platforms, Mooring systems.
- Fluid-structure interaction, Multi-body dynamics

Qualifications

- **B.S. and M.S. degrees in Mechanical Engineering, Ocean Engineering, Aerospace Engineering, or related areas.**
- GRE score is required.
- Strong analytical skills and research skills.
- Ability to perform computer programming, data analysis, and interpret results.

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- Strong scientific communication skills (written and verbal languages).

Benefits: Tuition and Fee Waiver, Student Health Insurance, and Monthly Stipend will be provided to the qualified student.

Please send me an email with your research interests and attach CV, unofficial transcripts, GRE score (unofficial copy or just numbers will be fine at this stage), and writing samples (first-authored or MS thesis preferred) to **yhlee@memphis.edu**.

The University of Memphis

The University of Memphis is a Carnegie R1 (very high research activities) doctoral-granting metropolitan research university located in Memphis, TN. For over 100 years, the UofM has been a catalyst for progress in Memphis, Tennessee, and the surrounding Mid-South region. The university is committed to excellence in education and research, engaged scholarship, and preparing a diverse student population for successful careers.

EEO/AA Policy

Equal Opportunity

Equal Opportunity is the right of all persons to enter, study and advance in academic programs on the basis of merit, ability, and potential without regard to race, color, national origin, sex, sexual orientation, genetic information, disability or status as a veteran.

Equal Employment Opportunity is the right of all persons to work and to advance on the basis of merit, ability, and potential without regard to race, color, national origin, sex, sexual orientation, genetic information, religion, disability, age or status as a veteran.

Equal Opportunity is the law and discrimination is prohibited by laws such as:

- Title VI and VII Civil Right Acts of 1964, as amended
- Equal Pay Act of 1963
- Age Discrimination in Employment Act of 1967, as amended

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- Title IX of the Education Amendments of 1972
- Vietnam Era Veterans Readjustment Act of 1974
- Executive Order 11246, as amended
- Rehabilitation Act of 1973, including Section 503 and 504
- Americans with Disabilities Act of 1990/Americans with Disabilities Act Amendments Act of 2008

Commitment...The University of Memphis is committed to maintaining a learning and working environment that is free from discrimination, harassment and retaliation.

Responsibility.... All members of the University community have a shared responsibility to see that Equal Opportunity and Affirmative Action procedures are considered in all academic and employment practices - admissions, grading, recruiting, hiring, transfers, promotions, compensation, discipline, benefits and other terms, conditions, benefits and privileges associated with academia or employment. All members of the University community should be familiar with the University's policies on discrimination and harassment and sexual misconduct.

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact Yong Hoon Lee, Assistant Professor
Mechanical Engineering
University of Memphis
3815 Central Avenue, ES 322D
Memphis, TN 38111

Phone Number 9016785004
Contact E-mail yhlee@memphis.edu