



Postdoctoral Scholar in Marine Geotechnics

College of Engineering and Physical Sciences

Department: Civil and Environmental Engineering

Description: The Postdoctoral Scholar will be involved in both independent and collaborative research working closely with the geotechnical and structural engineering faculty in the Department of Civil and Environmental Engineering and the ocean engineering faculty in the Department of Mechanical Engineering and School of Marine Sciences and Ocean Engineering. The primary areas of research will be in marine geotechnics, offshore geotechnics, soil-structure interaction, wave-soil interaction, and geo-hazards. This research spectrum has wide range of applications such as in offshore oil platforms, submarine pipelines, wind turbine foundations and mooring, marine renewable energy systems (wave/tidal), and oceanic geo-hazards evaluation, mitigation, and risk assessment. The Scholar would benefit from strong and unique geotechnical and ocean engineering laboratories at UNH including geotechnical centrifuge and water and wave tanks at Chase Ocean Engineering Laboratory, which could also help recruiting exceptional and diverse candidates. In addition, the Scholar's research will complement current expertise at UNH, while they will benefit from the UNH's geographical location near the ocean, access to open-water test sites and vast interest among faculty in marine science and engineering research.

The Postdoctoral Scholar will receive additional professional development support such as participating in university and college academies along with other early career tenure track faculty, assigned faculty mentors in both geotechnical and ocean engineering to assist in their interdisciplinary research, attending national research and teaching workshops, engaging in departmental activities and faculty meetings, and assistance in grant writing through collaboration and editorial services. The Scholar's responsibilities would include teaching one senior elective/graduate class per year in the area of offshore/marine geotechnics. It is expected that the Scholar publish their work in high impact journals and conference proceedings, submit research grant proposals both as a single PI and collaboratively, develop external collaborations, and engage in field specific professional community.

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