PhD Research Opportunity in

Offshore Wind Geotechnical Engineering

The Department of Civil, Structural & Environmental Engineering, Trinity College Dublin, invites applications for a PhD Researcher to join the department. This PhD project will focus on soil damping for offshore wind turbines supported on monopiles. Soil damping parameters will be measured for a range of soil types using laboratory dynamic cyclic triaxial testing, and input into advanced offshore wind turbine models. An improved understanding of soil damping can lead to significant cost savings for offshore wind energy through more efficient design.

The successful candidate will join a vibrant research group at Trinity College Dublin, working at the cutting edge of offshore wind energy research. The group is a multidisciplinary team with experience and expertise in the fields of geotechnical engineering, control engineering, dynamic systems modelling and wind energy.

To be eligible for consideration, applicants must possess a 1st class degree (or equivalent) in a relevant subject in Engineering/Science. Where applicants have an MSc degree, a distinction is required. Geotechnical laboratory testing experience, analytical skills and proficiency in computer coding is desirable.

Applicants are requested to send a cover letter, CV and the names of two referees, at least one of whom should be an academic, to the address below. Closing date 21st February 2020 or until a suitable candidate is found.

The position provides a stipend and covers full-time tuition fee cost for three years. The position commences on 1st March 2020 but start date may be flexible.

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