Department of Ocean Technology Policy and Environment, Graduate School of Frontier Sciences, the University of Tokyo, invites applications for a project research appointment with the start date at the earliest possible time after Feb 1, 2017. Candidates are sought with experience in ocean engineering.

The aim of the project ([http://riodeut.k.u-tokyo.ac.jp/index_e.html](http://riodeut.k.u-tokyo.ac.jp/index_e.html)) is to conduct researches related to the development of offshore oil & gas fields and other academic activities in order to improve the integrated engineering capabilities from upstream to downstream in Japan. The postdoctoral researcher is expected to engage in all or a part of the following research topics:

i) Mooring integrity management including the assessment of the fatigue in the mooring lines and the preservation of the production riser system.

ii) Analysis of the pipeline installation process including the development of fiber optic stress measurement system and the assessment of damages in the pipeline.

iii) Development of a short term wave prediction system by drones including the control of multiple drones in harsh environment.

iv) Tank or field experiment related to the above mentioned research topics.

Experience of the applicant in all or some of the following is desired: numerical simulation, data analysis and visualization, and tank or field experiment.

The appointment is until June 30, 2020. A Ph.D. degree in relevant engineering and science field is required before the start of the hire. Annual salary ranges between 4,000,000 Yen and 5,000,000 Yen plus benefit, and depends on the qualification and experience of the candidate. Commuting allowance will be provided.

The screening begins after the application is received, and continues until the position is filled. The application is accepted until November 30. Application should include curriculum vitae with photograph, list of publications, copies or reprints of relevant research papers (up to 3), brief summary of past researches, and references no less than two persons. Send applications to: takagi@edu.k.u-tokyo.ac.jp