

# Senior (or tenure track) position in Marine Optics & Remote Sensing

The department of Coastal Systems (COS, department chair: dr. ir. H.W. van der Veer) is looking for a senior scientist specialized in Marine Optics and Remote Sensing with an excellent track record reflecting pioneering marine research due to retirement of the present staff member.

LOCATION: ROYAL NIOZ-TEXEL (NL)

VACANCY ID: 2016-64

CLOSING DATE: SEPTEMBER 30th, 2016

## THE DEPARTMENT

The scientific research department of Coastal Systems (COS) focuses on key physical, chemical and biological processes that determine the productivity and ecological functioning of coastal, open marine areas, notably in terms of population dynamics of higher trophic levels, e.g., as fuelling stations for migrating birds and nursery and feeding areas for fish, marine mammals and other organisms.

The principal goal in our research is to better understand how these generally highly productive systems function, and how changes in trophic interactions -in response to natural and anthropogenic environmental changes in hydrological, morphological and environmental regimes- influence the richness and productivity of coastal marine ecosystems and the ecological functions they provide. Within COS, research is performed as a combination of field observations, experiments and modelling activities.

## THE VACANCY

The position is a continuation of research on marine optics at the department replacing the present senior scientist, **dr. Marcel R. Wernand**, who will be retiring in 2018. In cooperation with him, the candidate will become responsible for ongoing projects, including in house projects focusing on Wadden Sea productivity and international projects such as "Coastal Ocean Darkening" by an interdisciplinary consortium consisting of marine physicists, biologists and coastal sea modellers lead by the Institute for Chemistry and Biology of the Sea (ICBM), University of Oldenburg.

In the position it is expected to establish and sustain an innovative and externally funded research program in marine optics and remote sensing, complementary to existing research.

Start-up packages include a 4 year PhD position and limited start-up funds, financed from the collaborative research program with Utrecht University. Dedicated technicians are available for assistance.

## THE CANDIDATE

We are looking for an excellent and highly motivated candidate holding a PhD in earth or environmental sciences or a closely related subject, with a marine focus and practical experience in bio-optical (long-term) studies. She or he is familiar with marine-optics, state-of-the-art equipment like hyperspectral sensors for inherent and/or apparent optical properties and has experience with dedicated ocean colour satellite information. Successful candidates will be expected to establish and sustain an innovative and externally funded research program in their research field.

The candidate will work closely together with remote sensing experts both at a national level (within the Royal NIOZ Estuarine and Delta Systems department in Yerseke (Zeeland), and within the University Utrecht), and at an international level.

The candidate will be expected to organize and participate in oceanographic research cruises. You will mentor and teach undergraduate students, and participate in multidisciplinary projects at the (inter)national level together with other Royal NIOZ researchers. Your willingness to participate in teaching activities at Utrecht University and other universities is required.

## **CONDITIONS**

In case the position will be offered at the tenure-track level, the successful candidate will be hired for 5 years. At the end of a successful tenure track term, a permanent scientific staff position will be offered up to the level of senior scientist. Criteria for evaluation comprise a track record of publications that is far above average, proven skills in acquiring funding, and an international network.

We offer a pension scheme, a health insurance allowance, a yearly 8% vacation allowance, year-end bonus and flexible employment conditions. Our labour policies are based on the Collective Labour Agreement of Research Centers (WVOI). The Royal NIOZ will provide cost of relocation and help with housing, possibly on the beautiful isle of Texel.

**Applicants for this vacancy must submit a brief Research Statement (2 A4 max). You may attach this short testimonial to your CV/Resume in the application form.**

Additional information on job details: **dr. ir. H.W. (Henk) van der Veer** (department head).

For additional information about the procedure, please contact **Jolanda Evers** or **Sigrid Moerbeek**, senior HR advisors.

Applications can be submitted via [www.workingatnioz.com](http://www.workingatnioz.com)