

# Tenure-track Assistant Scientist in Hydrodynamic Modeling

## **What You Will Do**

Miaohua Mao's numerical modeling team seeks applicants with expertise in the numerical modeling of the coastal, estuarine, and lake hydrodynamics. The successful candidate will work on the parameterizations and physical explanations of plume dynamics, storm surge, circulation, and sediment transport dynamics. Outcomes from this work will be presented at the national and international conferences and published in the peer-reviewed journals.

## **What You Need**

**Desired Skills:** The successful candidates should have experience in the ocean modeling and/or fluid dynamics. The candidate will also need the skill in the data analysis and/or visualization, and be familiar with the Linux system, Fortran and C++ codes. The experience in the model calibration and validation against observational data is preferred. The ability to work in a highly cooperative team is also a requirement. **The experience of the publications in the peer-reviewed journals is highly encouraged**, such as those ranking at least Quartile 3 based on the Chinese Academy of Sciences journal ranking system.

**Education:** A Ph.D. degree in the marine/ocean science, physical oceanography, fluid dynamics, geophysics, mathematics, earth science, or related fields.

## **Where You Will Work**

Yantai Institute of Coastal Zone Research, Chinese Academy of Sciences is located at the beautiful coastal city of Yantai, Shandong Province, China. The successful candidate will be provided an office together with other researchers at Yantai, while he/she could visit the University of Maryland Eastern Shore numerical modeling group in Maryland, USA. The numerical simulations will be conducted via the remotely connected supercomputer system. The tenure-track assistant scientist position is 2 years.

## **Application Procedure**

Before a formal application, the applicants are encouraged to send a brief description of your research interest/area and an updated CV to Miaohua Mao at **fornever411@gmail.com** by Oct. 30, 2018 or ASAP.

**Location:** Yantai, China.

**Organization Name:** Yantai Institute of Coastal Zone Research, Chinese Academy of Sciences.

**Job Title:** Hydrodynamic modeling tenure-track assistant scientist

**Appointment Type:** Tenure-track Assistant Scientist.

**Salary:** 15-20 k U.S. dollars/year plus benefit + free accommodation in the faculty building of the Institution.