Job Title	Research Associate
PVN ID	CC-1801-002307
Category	Research
Location	The CITY COLLEGE of NEW YORK
Department	Electrical Engineering
Status	Full Time
Salary	Depends on qualifications
Hour(s) a Week	35
Closing Date	Mar 19, 2018 (Or Until Filled)

General Description

The Optical Remote Sensing Laboratory of the City College of the City University of New York (CCNY) invites applicants for a Research Associate position in Optical Sensing of the Marine Environment. Candidates with an expertise in satellite ocean color (OC) data processing, OC calibration/validation, atmospheric correction and development of algorithms for the retrieval of water properties are welcome. Familiarity with the vector radiative transfer of coupled ocean/atmosphere system is very advantageous. Experience with field measurements of water parameters and/or instrument design is a significant plus.

Other Duties

The successful candidate will participate in several projects which include satellite, AERONET-Ocean Color and field data analysis, field experiments from the ships, ocean platforms and helicopters with the state of the art multi- and hyperspectral imagers in un-polarized and polarized modes and other sophisticated optical instruments, characterization of the ocean-atmosphere interface, development of the advanced algorithms for the retrieval of water properties and depths, particle characteristics and detection of algal blooms. Student mentoring in the above areas, participation in laboratory experiments and field cruises, preparation of manuscripts, reports, and proposals for external funding will be also part of the assignment.

Qualifications

A PhD in Engineering or related scientific field. A combination of experimental and theoretical experience in the area of marine optics, strong simulation skills are required as is the ability to work and interact within a well-established multidisciplinary research team which includes faculty, postdocs, undergraduate and graduate students.