

CARIBBEAN INSTITUTE FOR METEOROLOGY AND HYDROLOGY

VACANCY NOTICE

TECHNICAL OFFICER I - PHYSICS

Applicants are invited from suitably qualified nationals of CARICOM Member States for the post of Technical Officer I – Computer Science and Mathematics at the Caribbean Institute for Meteorology and Hydrology (CIMH), Husbands, St. James, Barbados.

TERMS OF REFERENCE

Introduction

The Caribbean Institute for Meteorology and Hydrology is an Institution of the Caribbean Community (CARICOM) and the technical Organ of the Caribbean Meteorological Organization (CMO). The mandate of the CIMH is *“to assist in improving and developing the Meteorological and Hydrological Services as well as providing the awareness of the benefits of Meteorology and Hydrology for the economic well-being of the CIMH member states. This is achieved through training, research, investigations, and the provision of related specialized services and advice”*.

To achieve its mandate, the CIMH in 1973 established an affiliation with the University of the West Indies (UWI), Cave Hill, in which its primary responsibility is the delivery of the B.Sc. programme in Meteorology in the Faculty of Science and Technology. The CIMH is recognized regionally and globally as:

- The World Meteorological Organization (WMO) Regional Training Centre for the Caribbean;
- A centre for applied research and development in meteorology, hydrology/water resources, climatology and related areas including disaster risk reduction and impacts forecasting;
- The WMO Regional Instrument Centre for the Caribbean;
- A WMO Centre of Excellence for Training in Satellite Meteorology;
- The WMO Regional Climate Centre (RCC) for the Caribbean;
- The Caribbean Centre for Climate and Environmental Simulations;
- The Climate Data Archive for CMO Member States;
- The Pan American Centre for the WMO Sand and Dust Storm Warning Advisory and Assessment System (SDS-WAS).

The CIMH has strong collaborations with other Regional Institutions, national organizations in CMO Member States and the international community.

Training

In addition to the BSc programme in Meteorology which the CIMH delivers to students at the UWI, the CIMH conducts vocational training programmes annually on its campus geared at developing technical specialists for National Meteorological and Hydrological Services (NMHS) in CMO Member States. These courses which are defined in WMO No. 1083 “Manual on the Implementation of Education and Training Standards in Meteorology and Hydrology” include: (i) the Entry-, Mid- and Senior-Level Meteorological Technician courses and (ii) the Higher Technicians and Diploma in Hydrology courses.

The physics and mathematical competencies required by students to successfully complete the vocational courses offered by the CIMH are delivered by its staff.

Requirements

The Caribbean Institute for Meteorology and Hydrology (CIMH) is seeking an individual to join its staff to deliver training in Physics. The candidate will be expected to join an enthusiastic group of professionals delivering training to Meteorological and Hydrological Technicians drawn from CMO Member States and the global community.

The successful candidate must:

- Deliver training to adults in classrooms as well as through online course delivery platforms;
- Design course syllabi and course content for training courses;
- Working with persons from a range of backgrounds including race and culture;
- Support research and development activities and external projects and programmes;
- Research and development activities at the CIMH;
- Outreach programmes and meetings.

Scope of Work

- Delivery of training in physics and mathematics to students in the Senior-, Mid- and Entry-Level Meteorological Technicians courses: the Diploma in Hydrology course and the Hydrological Technicians course - see WMO No. 1083¹ for specific requirements;
- Expansion of course content and adaptation for online learning platforms;
- Support technical and academic staff with research and development activities;
- Support project and programme activities;
- Participate in meetings and outreach programmes including summer schools, job fairs and Institute tours.

¹ Manual on the Implementation of Education and Training Standards in Meteorology and Hydrology. Volume I. Meteorology. WMO-No. 1083. 2012 edition

Qualifications

The successful candidate should have a minimum of a BSc Degree in Physics. Candidates with a BSc Degree in Physics should be able to demonstrate considerable knowledge and competence in Mathematics. Candidates with a BSc Degree in Mathematics would be considered provided they can demonstrate considerable knowledge and competence in Physics at the tertiary level. Persons with degrees in the Physical Sciences (e.g., Meteorology) and Engineering with the demonstrated requisite skill sets in Physics and Mathematics will be considered for the position.

The ideal candidate should have at least 7 years demonstrated teaching experience preferably at the tertiary level with a proven track record of success.

Experience in either the Earth Sciences and/or Atmospheric Sciences would be an asset. A strong background in thermodynamics, in particular, the thermodynamics driving atmospheric processes, would be a further asset.

Required Skills

- Excellent written and verbal communication skills;
- High degree of literacy;
- Aptitude for developing and implementing innovative and creative solutions to problem solving;
- Above average levels of cultural, social and emotional IQ.

The successful candidate must have good legal standing and will be required to travel regionally and internationally. The successful candidate must be the holder of a valid passport and VISA for the USA as well as for Canada and European countries.

The successful candidate will be required to commence work on April 1, 2018 or soon thereafter. The closing date for applications is March 1, 2018. Letters from three referees should be sent directly to the Principal and received on or before the closing date for applications.

An attractive compensation benefit package including a non-contributory medical plan and pension will be offered. The salary scale for the position is BBD 5,199 x 166 – BBD 5,863 x 178 – BBD 6397. Applications accompanied with curriculum vitae should be addressed to:

The Principal
Caribbean Institute for Meteorology and Hydrology
Husbands
St. James BB 23006
Barbados

Tel: 246 425 1362/63
E-mail: hrdept@cimh.edu.bb