



## Further Particulars

# DIRECTOR OF THE MONSERRAT VOLCANO OBSERVATORY

## Be part of a Great West Indian Tradition

The University of the West Indies (UWI) is a well-established independent university that serves 17 countries of the Commonwealth Caribbean: Anguilla, Antigua & Barbuda, The Bahamas, Barbados, Belize, Bermuda, The British Virgin Islands, The Cayman Islands, Dominica, Grenada, Jamaica, Montserrat, St. Kitts & Nevis, St. Lucia, St. Vincent & the Grenadines, Trinidad & Tobago, and the Turks & Caicos Islands.

An innovative, internationally competitive, contemporary university deeply rooted in the Caribbean, The UWI is an international university, in every respect, with links extending beyond the region to well over 100 universities worldwide.

As the number one Caribbean University, The UWI is internationally recognized as a centre of excellence in research, knowledge creation and innovation on matters related to the Caribbean and Small Island States. Our research capacity is an important asset and our research agenda addresses priority areas aligned to specific developmental needs of the Caribbean region that we serve.



### OUR HISTORY

The UWI is the oldest, fully regional institution of higher learning in the Commonwealth Caribbean. The UWI began at the Mona Campus, Jamaica, in 1948 as a College of the University of London; and in 1962 achieved full university status. The St. Augustine Campus in Trinidad and Tobago was established in 1961 and in 1963 a third Campus was established at Cave Hill in Barbados. In 2008 the University established a fourth Campus – The Open Campus – to better manage and expand multi-mode delivery of its programmes.

### OUR FACULTIES

The eight faculties of The UWI offer a wide range of Undergraduate, Master's and Doctoral programmes in Engineering, Food & Agriculture, Humanities & Education, Law, Medical Sciences, Science & Technology, Social Sciences and Sport. Several of these programmes are delivered through the distance mode.

Visit us online at [www.uwi.edu](http://www.uwi.edu) to find out more about The UWI or [www.sta.uwi.edu](http://www.sta.uwi.edu) for more on the St. Augustine Campus. For the latest news, follow us on [Facebook](#), [Twitter](#), [Flickr](#), [YouTube](#) and [UWItv](#).



## ABOUT THE UWI SEISMIC RESEARCH CENTRE

The UWI Seismic Research Centre (SRC) was set up in 1953 and became part of The UWI in 1962. From its headquarters in Trinidad, it operates a network of seismograph stations extending from Trinidad and Tobago through the Lesser Antilles to St. Kitts. THE SRC is responsible for monitoring earthquake and volcanic activity in these islands. Persons interested in this post are strongly advised to visit our website at <http://www.uwiseismic.com> to learn more about the operations of the SRC.

The region in which these countries are located is seismically active and historically has been the site of earthquakes of magnitude greater than 8.0. There are at least 19 live volcanoes in the region, some of which have known historical eruptions, most recently in Montserrat from 1995-present and Dominica in 1997.

The main method of day-to-day monitoring of these phenomena is the operation of over 60 instruments that comprise a mixture of three-component broadband seismograph stations, Kinematic K2 accelerographs three-component short-period seismometers and single vertical component stations. All three-component stations send their data, and those from associated single component stations, to Trinidad using satellite and/or internet technology. When activity increases at any node of the system, data can be processed locally in real time. Other techniques in use include ground deformation measurement, thermal and chemical measurements and frequent ground reconnaissance. The SRC has an active programme of geological research aimed primarily at reconstruction of the geological history of the volcanoes and prediction of their future patterns of behaviour.

The SRC cooperates closely with other seismological and volcanological institutions both within the region and abroad. Although the primary function of the SRC is concerned with public safety, there are ample opportunities for original research and staff members are strongly encouraged to develop independent research projects and

to publish their results in the international literature. Since SRC is an integral part of The University of the West Indies, supervision of graduate students is encouraged. The Department offers programmes of study leading to:

### Postgraduate:

- M.Phil. Seismology
- M.Phil. Volcanology
- PhD. Seismology
- PhD. Volcanology

A significant proportion of the income of the SRC is raised through external grants. All members of staff are encouraged to develop their skills in soliciting external funding. The SRC is responsible for managing the operations of the Montserrat Volcano Observatory (MVO) in Montserrat and has five members of staff permanently stationed on the island.

### CURRENT MEMBERS OF STAFF

SRC has provision for a staff complement of 24 persons including 12 Academic, Senior Administrative and Professional staff and 12 Administrative, Technical and Service Staff. The complement of professional staff is split between Trinidad and Montserrat (MVO) and includes the following persons:

|                             |   |
|-----------------------------|---|
| Professor Richard Robertson | B.Sc. (UWI), M. Phil (Leeds), Ph.D. (UWI)– Director                                   |
| Dr. Joan Latchman           | B.Sc., M. Phil., Ph.D. (UWI), Research Fellow – Senior Research Fellow (Seismologist) |
| Mr. Lloyd Lynch             | B.Sc. (UWI), Research Fellow (Instrumentation)  |
| Dr. Graham Ryan             | MPhys (Manchester), PhD (Lancaster) – Research Fellow (Volcanologist)                 |
| Dr. Ilias Papadopoulos      | BSc (Eng) (UWI), PhD (UWI)  |
| Dr. Erouscilla Joseph       | B.Sc. (UWI), M.Phil. (UWI), Ph.D. (UWI) - Research Fellow (Volcanology)               |
| Mr Roderick Stewart         | B.Sc (Edinburgh) – Volcano-Seismologist (Senior Research Fellow)                      |





|                          |   |
|--------------------------|---|
| Dr. Adam Stinton         | B.Sc. (Plymouth), M.S. (Buffalo), Ph.D (Buffalo) – Research Fellow (MVO Volcanologist)    |
| Dr. Thomas Christopher   | B.Sc. (UWI), Ph.D. (Cambridge) – Research Fellow (MVO Volcanologist)                      |
| Dr. Karen Pascal         | B.Sc. (Blaise-Pascal), M.Sc. (Leeds), Ph.D. (Leeds) – Research Fellow (MVO Volcanologist) |
| Ms. Stacey Edwards       | B.A. (Howard), Ed.M (Harvard), Education Officer – Education Officer                      |
| Mr. Chandradath Ramsingh | B.Sc. (UWI) - IT Officer II   |



#### OVERVIEW OF POSITION

The Director will be responsible for the efficient and effective running of the Montserrat Volcano Observatory (MVO) and for reporting on the status of the volcanic activity at the Soufriere Hills Volcano in a regular and timely manner to the appropriate authorities, as defined by the Montserrat Volcano Observatory Act (Cap. 10.11) of the Laws of Montserrat. He/she will have overall responsibility for the health and safety of the staff of the MVO during the performance of their duties.

The contract of the Director, MVO is extendable based on a review of performance at the end of the period, and also extension of the MVO management contract.



#### SPECIAL RESPONSIBILITIES

- Ensuring the efficient collection and analysis of the data necessary to monitor the status of the Soufriere Hills Volcano
- Advising the Board of Directors and Board of Operations on the staffing of the observatory necessary to maintain an appropriate level of monitoring and taking appropriate steps to obtain external volcano expertise as and when required

- Assigning duties amongst the scientific, technical and administrative staff and assuring the quality of their work
- Maintaining and developing collaborative links with regional and extra-regional centres of expertise in Seismology and Volcanology and other disciplines relevant to monitoring the volcano
- Advising the Board of Directors of the balance between the provision of scientific information required by the authorities and the collection and propagation of information to the wider scientific community and to the local populace
- Informing the Board of Directors of any proposals for involvement of the MVO either in a lead or support role, in programmes of research and ensuring that the proposals are consistent with the research strategy as determined from time to time by the Main Board of MVO
- Ensuring that a programme of public education is formulated and carried out
- Ensuring the efficient use of MVO resources and making recommendations on purchase of equipment and spares to facilitate the primary mission of the Observatory
- Attending meetings of the National Disaster Preparedness Response Advisory Committee (NDPRAC) in order to provide advice related to volcanic activity
- Ensuring that any advisory statement issued from the observatory represents the best consensus of the scientific/technical staff of the observatory and where possible, other authorised collaborators.
- Ensuring that all reports (currently consisting of weekly reports, comprehensive quarterly administration and scientific reports, and an annual report) are disseminated on time to the relevant designated authorities and public in a timely manner

<sup>1</sup> Weekly reports, comprehensive quarterly administration and scientific reports and an annual report

<sup>1</sup> Weekly reports to the public and quarterly and annual reports to the Board of Director's and Board of Operations

## QUALIFICATIONS AND EXPERIENCE

The successful candidate must possess a PhD in a volcanological related subject (e.g. Earth Science, Volcanology, Seismology, Geophysics).

Candidates should also have:

- Extensive experience as a practicing earth scientist in geoscience projects or an equivalent professional background, a considerable amount of which should be at the project management level
- Special expertise in Financial, Human Resources and Project Management Leadership, Communication and Strategic thinking
- Experience as a practising earth scientist in geoscience projects
- Experience in outreach programs

Experience in management of scientific organisations, residential experience at a volcano observatory or an institute similar to the SRC and experience in interacting with civilian authorities will be assets.

## PERSONAL ATTRIBUTES

The Centre places high priority on individuals of integrity who can work well in a team and student friendly environment. Candidates should also possess good communication and interpersonal skills. A good command of both oral and written English is essential. Candidates must also:

- Be calm, sensible, honest, flexible, determined, motivational, inspiring, enthusiastic
- Have good work ethic
- Possess knowledge of volcano monitoring techniques
- Be flexible with the ability to motivate and build a team
- Have strong leadership skills and be able to think strategically

## REMUNERATION PACKAGE

### ANNUAL SALARY RANGE:

Senior Research Fellow:

Minimum: TT\$340,164 per annum

Maximum: TT\$421,704 per annum

Research Fellow:

Minimum: TT\$239,544 per annum

Maximum: TT\$333,456 per annum

### BENEFITS:

- Special allowance of 6% of basic salary;
- Transportation Allowance of TT\$3,250 per month;
- Up to five economy class passages plus baggage allowance of US\$3,000.00 (TT\$ equivalent) on appointment and normal termination;
- Unfurnished accommodation at 10% or furnished at 12½% of basic salary, or housing allowance of 20% of basic salary to staff making own housing arrangements;
- 10% of basic salary in lieu of pension;
- Annual Study and Travel Grant (available after first year of service); -TT\$20,717.00 per annum
- Institutional Visit Allowance – TT\$7,200.00 per annum
- Book Grant – TT\$6,000 per annum
- Contributory Health Insurance – 50%
- Hazard Allowance-TT\$2,000.00 per month
- Entertainment Allowance
- Responsibility Allowance

The Registry  
St. Augustine  
File # 162/25/10 I  
2019 March  
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