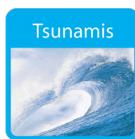




UWI

SEISMIC RESEARCH CENTRE



Vacancy Notice

Research Fellow (Volcanologist – Risk Assessment and Postgraduate Course Development)

At Montserrat Volcano Observatory

Applications are invited for the post of **Research Fellow (Volcanology)** at the Seismic Research Centre (SRC) of the University of the West Indies to be based at the Montserrat Volcano Observatory, Montserrat.

The Montserrat Volcano Observatory (MVO) is a Statutory Body established by the Government of Montserrat. MVO monitors activity at the active Soufrière Hills Volcano using a wide variety of equipment, some of which has been developed with overseas research partners. MVO also has a wide and varied outreach programme.

The observatory has fourteen staff members, including five scientific staff with varied areas of specialization; including seismology, ground deformation, dome morphology and gas monitoring. The scientific staff are responsible for monitoring the volcano and also pursue research that supports the monitoring and the interpretation of the data. MVO currently has over 40 active collaborative research projects with other institutions. The scientific staff are also frequently involved in MVO's education and outreach activities.

Scientific staff and support services for the MVO are provided by the UWI Seismic Research Centre (SRC) under a contract which will be reviewed in 2021. The main function of the SRC, which is based in Trinidad, is to monitor seismic and volcanic activity in the English-speaking Eastern Caribbean and to provide accurate and timely advice to the governments of the region on all matters relating to these subjects.

MVO staff carry out formal semi-annual scientific assessments of volcanic activity and the associated hazards and risks in conjunction with a Scientific Advisory Committee (SAC), whose members are drawn from the wider volcanological community.

The Soufrière Hills Volcano and MVO already attract groups of students and researchers to Montserrat. MVO has hosted these on an ad-hoc informal basis but is planning to encourage more such visitors by offering courses in volcano monitoring and volcanology, probably at the postgraduate level.

Line of Responsibility

The Volcanologist will be a member of the scientific team at the MVO and will be directly responsible to the MVO Director.

Special Expertise/Area of Concentration

Natural hazard risk assessment, Volcanology

Responsibilities

- Conduct quantitative risk assessments using methodologies developed by the Scientific Advisory Committee, including Expert Elicitation. This will require close co-operation with SAC members to ensure no duplication of effort.
- Carry out research on methodologies for Quantitative Risk Assessment. These will be developed using data and information from Montserrat and other islands monitored by the Seismic Research Centre, University of the West Indies.
- Carry out research on the modelling of volcanic hazards and risks.
- Develop postgraduate courses in volcano monitoring and/or physical volcanology for delivery in Montserrat
- Assist in other MVO research, monitoring and outreach activities.
- Act as deputy to the Director in the latter's absence from Montserrat or otherwise as delegated by the Director.

Qualification and Experience

The successful candidate must possess a PhD or equivalent in a volcanological or risk-related subject.

Candidates should preferably have experience in quantitative risk assessment of hazardous phenomena along with familiarity with the development of training courses.

Practical or residential experience at a volcano observatory would be advantageous.

Personal Attributes

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

- Demonstrate the ability or potential for excellence in teaching and research
- Be creative and innovative
- Be student centred
- Have leadership skills

Terms and Conditions

The holder of the post will be a member of the SRC scientific team at the MVO and will be directly responsible to the MVO Director.

The appointment will be made on the Research Fellow scale of the University of the West Indies. Limited relocation expenses will be provided.

The post will be for an initial period of one year, extendable to three years after review. Further extensions will be possible.

Further Information

Further information on this vacancy and the application process can be found on the UWI website: <http://sta.uwi.edu/jobs/details.asp?view=&id=1970>.

Informal inquiries should be directed to Roderick Stewart, Director of Montserrat Volcano Observatory by email to rod@mvo.ms.

Application

A detailed application (two copies) and full curriculum vitae should be sent to the Campus Registrar, The University of the West Indies, St. Augustine, Trinidad and Tobago, W.I., Fax No. 1-868-663-9684; e-mail: HRApplications@sta.uwi.edu. Three (3) referees (one of whom should be from your present organization) must be indicated. Application forms can be obtained at <http://www.sta.uwi.edu> in the Faculty & Staff, Job Vacancies section. Further particulars including remuneration package can be obtained at the above address. In order to expedite the appointment procedures, applicants are advised to ask their referees to send references under CONFIDENTIAL cover DIRECTLY to the Campus Registrar at the above address without waiting to be contacted by the University.