



Research Fellow (Volcanologist/ Geologist)

FURTHER PARTICULARS

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. [Read more ...](#)

Ranked Among the Best

Only Caribbean University Ranked Among BEST IN THE WORLD



- ▶ CARIBBEAN'S #1
- ▶ WORLD'S TOP 1.5 %
- ▶ LATIN AMERICA'S TOP 20
- ▶ WORLD'S GOLDEN AGE TOP 100
- ▶ IMPACT RANKINGS 2.5%

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.

The Times Higher Education rankings in 2018 and 2019, placed The UWI as the number 1 ranked university in the Caribbean out of over 200 registered institutions across the region; and among the top 3% of some 2,000 registered universities in the wider Latin America and the Caribbean. In 2020 The UWI was ranked among the THE's top 100 "Golden Age" universities established between 1945 and 1967. [Read more ...](#)

About UWI

The first of UWI's five campuses began in 1948 at Mona, Jamaica, as a College of the University of London. The St. Augustine Campus in Trinidad & Tobago was added in 1961 and UWI achieved full university status in 1962. St. Augustine was followed by campuses at Cave Hill, Barbados (1963), the Open Campus (2008), and the Five Islands Campus in Antigua & Barbuda (2019). [Read more ...](#)

Our 8 Faculties

Teaching at the St. Augustine Campus takes place within eight faculties - Engineering, Food & Agriculture, Humanities & Education, Law, Medical Sciences, Science & Technology, Social Sciences, and Sport. Each Faculty offers a wide range of undergraduate and postgraduate programmes. [Find out more ...](#)

Get to Know Us

Visit <https://www.uwi.edu/> to find out more about The UWI. For more on the St. Augustine Campus, visit <https://sta.uwi.edu/>. Read the latest Campus news in our monthly publication, [UWI Today](#) and follow us on social media [Facebook](#), [Twitter](#), [Instagram](#), [YouTube](#), [LinkedIn](#).

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 11 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 islands are located is seismically active and historically has been the site of earthquakes of magnitude greater than 8.0. There are at least 21 live volcanoes in the region, some of which have known historical eruptions. Among the volcanoes that have shown recent eruptions are: La Soufrière in St. Vincent (2020 – 2021), Soufrière Hills Volcano in Montserrat (1995 – present), and Kick ‘em Jenny (2017, 2015, 2001, and 1990).

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, three-component short-period seismometers, strong motion stations 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. Other monitoring techniques in use include ground deformation measurement

and thermal and geochemical (gas and water chemistry) measurements. The SRC has an active programme of research in the field of geoscience aimed at complementing hazard awareness, risk assessment and early warning.

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 also currently responsible for managing the operations of the Montserrat Volcano Observatory (MVO) in Montserrat and has six members of staff permanently stationed on the island.

Current Members of Staff

The UWI Seismic Research Centre (SRC) has provision for a staff complement of 30 persons including 13 Academic, Senior Administrative and Professional Staff and 17 Administrative, Technical and Service Staff. The complement of professional staff is split between Trinidad and Montserrat and includes the following persons:

Dr. Erouscilla Joseph	B.Sc. (UWI), M.Phil. (UWI), Ph.D. (UWI) – Director SRC
Prof. Richard Robertson	B.Sc. (UWI), M. Phil (Leeds), Ph.D. (UWI) – Senior Research Fellow (Geologist)
Dr. Ilias Papadoupoulos	MSc (A.U.Th), PhD (A.U.Th) –Research Fellow (Geophysics)
Dr. Graham Ryan	MPhys (Manchester), PhD (Lancaster) – Director MVO
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)
Mrs. Stacey Edwards	B.A. (Howard), Ed.M (Harvard) – Education Officer
Mr. Chandradath Ramsingh	B.Sc. (UWI) - IT Officer II
Mr. Kisira Otero	B.Sc. (Jomo Kenyatta University) - IT Officer II

Tenure of Appointment

Appointment as Research Fellow (Volcanologist/Geologist) will normally be for three (3) years in the first instance, with the eligibility for consideration for renewal.

Subsequent to the first appointment, a member of staff who has served in an equivalent position in this or some other University for a period of six (6) years will be eligible for consideration for indefinite tenure.

Appointment to this post is subject to the [Charter of the University and to its Statutes, Ordinances, Rules and Regulations](#), including Statute 36 – Retirement of Members of Staff.

Further details may be obtained from the Campus Registrar, The University of the West Indies, St. Augustine, Republic of Trinidad and Tobago.

Research

The University of the West Indies supports the research activities of permanent members of staff by providing study leave, special leave for scholarly purposes, and sabbatical leave, as well as offering funding for research trips, fieldwork, institutional visits, conference participation and organization, and research assistants.

For more information on research funding, see <https://sta.uwi.edu/research/research-funding>

Research Fellow (Volcanologist/ Geologist)

The UWI Seismic Research Centre is seeking to appoint a new member of staff at the level of Research Fellow as Volcanologist/Geologist, to join its diverse team of scientists, technicians and other professionals. The UWI-SRC provides reliable information on seismic, volcanic and tsunami hazards in the Eastern Caribbean through a comprehensive programme of research, monitoring, public outreach and consultancy.

The candidate will contribute to advancing scientific understanding of volcanic systems in the Eastern Caribbean, while actively supporting real-time volcanic monitoring and hazard assessment. This is a research-active position embedded within a regional volcano monitoring institute that requires both academic excellence and crisis management experience.

The appointee will develop an independent, collaborative research programme aligned with the SRC's strategic priorities and will contribute to regional resilience through evidence-based hazard assessment and advisory services.

Qualifications and Experience

The successful candidate must possess at minimum, a PhD from a recognised university, which should be in Volcanology, Geology, Earth Sciences or a closely related discipline.

Candidates should possess:

- At least three (3) years' relevant postdoctoral or professional experience in

geological fieldwork related to active or potentially active volcanic systems

- Experience in integrating geological observations with geophysical and/or geochemical monitoring datasets
- A good record of research and publications in reputable, peer-reviewed journals
- Competence in geological mapping, stratigraphic analysis, and interpretation of volcanic deposits
- Demonstrated expertise in at least one (1) of the following areas:
 - Volcanic stratigraphy and eruption reconstruction
 - Geological mapping of volcanic terrains
 - Petrology and/or volcanic hazard assessments and characterisation

Candidates with the following will have an advantage:

- Master's degree in Geology, Earth Sciences or a closely related discipline
- Experience working within a volcano observatory or similar hazard monitoring institution
- Experience in research proposal development and project management
- Experience in synthesising multidisciplinary datasets for volcanic monitoring and advisory reporting
- Proficiency in hazard and risk communication, and crisis management
- Proficiency in Geographic Information Systems (GIS) for hazard mapping and spatial analysis (e.g. ArcGIS, QGIS)

The following would be considered assets:

- Bachelor's degree in Geology, Earth Sciences or a related physical science discipline
- Experience in science communication, including engagement with at-risk communities
- Experience in contributing to eruption response or volcanic unrest investigations

- Experience in participating in externally funded projects
- Experience in the supervision of postgraduate students or Research Assistants
- Familiarity with geophysical techniques relevant to or used in volcano monitoring (e.g. InSAR, thermal imaging, multispectral analysis)

Key Responsibilities

- Conducting research on volcanic systems of the Eastern Caribbean, including eruptive history, magmatic processes, stratigraphy, and hazard characterisation
- Contributing to volcanic monitoring and interpretation of activity in collaboration with SRC scientific and technical staff
- Participating in geological field investigations and monitoring deployments across the Lesser Antilles
- Contributing to volcanic hazard assessments for governments and regional disaster management agencies
- Preparing scientific and technical reports, advisory documents, and peer-reviewed publications
- Assisting in the preparation of research proposals and contributing to externally funded projects
- Contributing to postgraduate supervision, where appropriate
- Engaging in stakeholder outreach and the communication of scientific findings to non-specialist audiences
- Participating in operational response activities during periods of volcanic unrest or eruption, including travel at short notice, where required
- Performing other related duties as assigned by the Director of the Seismic Research Centre (SRC) or designate

Personal Attributes

The Campus 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 should also:

- Be able to communicate scientific information clearly and responsibly to policymakers, disaster management professionals and the public
- Be able to work effectively both independently and within multidisciplinary teams
- Possess strong analytical, interpretative and problem-solving skills
- Be flexible and adaptable in a dynamic operational environment
- Be able to relate well with colleagues and support staff
- Be willing to travel within the Caribbean for field deployments and operational response activities and work in physically demanding field conditions
- Be in possession of a valid driver's permit or be willing to acquire one rapidly

Remuneration Package

Annual Salary Range:

Level III:

Minimum: TT\$ 318,180.00 per annum

Maximum: TT\$ 353,760.00 per annum

Level II:

Minimum: TT\$ 254,136.00 per annum

Maximum: TT\$ 296,832.00 per annum

Benefits:

- Special allowance of 6% of basic salary;
- Transportation Allowance of TT\$3,250.00 per month;
- Up to five economy class passages plus baggage allowance of US\$3,000.00 (TT\$ equivalent) on appointment and normal termination (persons recruited from outside of T&T);
- Unfurnished accommodation at 10% or furnished at 12.5% of basic salary, or housing allowance of 20% of basic salary to staff making own housing arrangements;
- UWI contribution of equivalent of 10% of basic salary to Superannuation Scheme;
- Annual Study and Travel Grant (available after first year of service) -TT\$24,548.00 per annum;
- Institutional Visit Allowance (available after first year of service) – TT\$7,200.00 per annum;
- Book Grant – TT\$6,000.00 per annum
- Contributory Health Insurance – 50%
- Group Life Insurance Scheme
- Special MVO Hazard Allowance

*The Registry
St. Augustine
File # 162-14-12
2026 July 13
/vj*