



REF# 173/3/22 R₂

THE UNIVERSITY OF THE WEST INDIES
ST. AUGUSTINE, REPUBLIC OF TRINIDAD AND TOBAGO, WEST INDIES

FACULTY OF ENGINEERING
DEPARTMENT OF CIVIL AND ENVIRONMENTAL
ENGINEERING

LECTURER IN STRUCTURAL ENGINEERING

Qualifications and Experience

The successful candidate must possess at minimum, a PhD from a recognised university, in Structural Engineering, Structural Dynamics, Earthquake Engineering, Wind Engineering, Computational Structural Mechanics or a closely related field, with a B.Sc. (Honours) in Civil Engineering or Civil and Environmental Engineering, or equivalent/related Engineering discipline.

Candidates should also possess:

- At least three (3) years' teaching experience at the undergraduate and postgraduate levels, at a recognised tertiary institution or university, in the field of Structural Dynamics, Structural Engineering or a closely related field
- A good record of relevant research and publications in reputable peer reviewed journals in the area of Structural Dynamics, Numerical Modelling, or related fields
- Experience in the supervision of student research projects at the undergraduate and postgraduate levels
- A strong foundation in Structural Dynamics and Numerical Analysis of Structures under time-varying and extreme loading conditions
- A strong competence in Numerical Methods, Computational Structural Analysis, and Finite Element Modelling (FEM/FEA)
- Familiarity with commercial and open-source structural analysis software

Candidates with the following would have an advantage:

- Membership in a recognised Professional Engineering Body
- Experience in teaching and research in Earthquake Engineering, Wind Engineering, or Structural Response to Extreme Loading
- Experience in the areas of Finite Element Analysis (FEA) and Numerical Modelling of Structural Systems
- A good record of industry interaction to provide practical industry experience to students
- Specialisation in Earthquake Engineering, Wind Engineering, Computational Structural Mechanics, or related fields of Structural Engineering
- A strong background in earthquake-resistant and/or wind-resistant structural design
- Evidence of contributing to funding proposals and successfully obtaining funding for research
- Ability to contribute to curriculum development in Structural Engineering, particularly in dynamics and computational methods

The following would be considered assets:

- Certification in university teaching and learning
- Industrial or consultancy experience in Structural Design, Dynamic Analysis, Seismic Design, Wind-Resistant Design, or Computational Structural Engineering
- Experience in fracture and crack mechanics
- Experience in the application of Emerging Digital Technologies, including Artificial Intelligence and Machine Learning, Structural Engineering Research, Analysis, or Design
- Advanced knowledge of Computational Structural Mechanics and Nonlinear Finite Element Analysis

Key Responsibilities

- Teaching at the undergraduate and postgraduate levels in area of expertise
- Preparing and delivering lectures, tutorials, workshops, and seminars
- Developing, reviewing, and updating curricula, course materials, and assessment methods for delivery across multiple platforms
- Applying emerging Artificial Intelligence and data-driven methods in teaching, research, and structural engineering analysis
- Setting, moderating, and grading assignments, tests and examinations, and others forms of assessment
- Supervising undergraduate and postgraduate student projects, theses, and research activities
- Providing academic advising, mentoring, and support to students
- Conducting high-quality research and scholarly activities, including publishing in peer-reviewed outlets and disseminating research findings
- Developing research proposals and seeking external funding through grants, contracts, and collaborative initiatives
- Collaborating with academic staff, industry partners, and external stakeholders to advance teaching, research, and outreach activities
- Participating in Departmental, Faculty, and University Committees and Administrative activities
- Attending and contributing to professional meetings, conferences, workshops, and other academic events
- Engaging in professional development activities and maintain currency in the discipline through scholarship and professional engagement
- Performing any other duties as may be assigned by the Head of Department 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:

- Possess high standards of professional and ethical conduct
- Be commitment to excellence in teaching, research, and student development
- Be able to work collaboratively within a departmental and institutional environment
- Display initiative in academic development, research leadership, or programme enhancement

Detailed application and full curriculum vitae should be sent to the Campus Registrar, c/o HR Division (Appointments Section), Main Administration Building, The University of the West Indies, St. Augustine, Trinidad and Tobago, W.I. via e-mail: STA-HRApplications@uwi.edu. Two (2) referees must be indicated. Application forms may be obtained at <http://www.uwi.edu> in the Faculty & Staff, Staff Vacancies section. Further particulars including remuneration package may also be obtained at the above address. In order to expedite the appointment procedures, applicants are advised to ask their referees to send their **signed** references under **CONFIDENTIAL** cover **DIRECTLY** to the Campus Registrar at the above address without waiting to be contacted by the University. **Applications received after the deadline date will not be considered.**

The University would like to thank all applicants for their interest. Please note, however, that only shortlisted candidates will be acknowledged or contacted.

Deadline for receipt of applications: 2026 October 25