



REF# 173/1/44 I

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

FACULTY OF ENGINEERING

Department of Electrical and Computer Engineering

PROFESSOR OF ELECTRICAL AND COMPUTER ENGINEERING

Qualifications and Experience

The successful candidate must possess a PhD, which should be in Electrical and Computer Engineering or a closely-related field with emphasis in Data Science, a blend of academic, research and industrial experience; proven leadership experience; a strong international scholarly reputation for research in the field; demonstrated ability to lead related research within the Department and to win substantial external research funding. The candidate's records should demonstrate:

- Outstanding teaching and research of a minimum of ten (10) years at the tertiary level at a recognised university in at least two (2) of the following areas:
 - Electrical and Computer Engineering
 - Computer Science
 - Mathematics
 - Data Science
- A track record of distinguished, original and innovative work in the area of expertise; high quality publications in peer-reviewed international journals

Further consideration will be given to candidates with knowledge in the following:

- Artificial Intelligence
- Machine Learning and Big Data
- Operations Research and Mathematical Programming
- Data Mining and Statistical Analysis

Candidates with the following would have an advantage:

- Patents in the area of Data Science and/or Electrical and Computer Engineering
- At least ten (10) years postgraduate teaching experience
- Experience in the development of university level Data Science and Electrical Engineering courses
- A combined total of at least twenty (20) publications in reputable, peer-reviewed journals that demonstrate applied research and international granted patents
- Evidence of prior success in generating funding for research
- Evidence of prior success in performing collaborative research with local and regional companies
- Engagement in innovation activities

The following would be considered assets:

- Certificate in university teaching and learning or equivalent
- Industry experience in the area of Electrical and Computer Engineering, Data Science or Computer Science and Mathematics
- A formidable record of innovative pedagogy and andragogy in face-to-face and virtual environments
- Development and innovation of the latest technologies such as AI, 5G, 4IR
- Success in and wide recognition of professional activities
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Special Responsibilities

- Teaching undergraduate and postgraduate courses in Electrical and Computer Engineering as well as Data Science
- Supervising undergraduate and postgraduate student projects and theses
- Engaging with local, regional and international stakeholders, and other Departments and academic institutions and Faculty through collaborative research
- Providing ongoing revision of the curriculum to keep abreast of development and innovation in the latest technologies such as AI, 5G, 4IR, etc.
- Developing professional short courses to respond to the changes within the industry specifically focusing on local and regional needs
- Serving on committees at the Department, Faculty and University levels

Personal Attributes

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

- be versatile and effective teachers
- have a keen interest in innovation and in researching new technologies/applications
- be interested in local and regional needs, economic and social development
- be able to interact and work well with staff, students and industry stakeholders
- have excellent organizational and leadership skills
- be self-motivated and capable of mentoring and motivating students and staff
- develop students' appreciation and passion for the study of Data Science

Detailed application and full curriculum vitae should be sent to the University Registrar, Office of Administration, The University of the West Indies, Regional Headquarters, Mona, Jamaica, W.I.; **e-mail:** hrapplications@uwimona.edu.jm. Three (3) referees (one of whom should be from your present organization) must be indicated. Application forms can be obtained at <http://www.uwi.edu>, Job Opportunities 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 their references under **CONFIDENTIAL** cover **DIRECTLY** to the University Registrar at the above address without waiting to be contacted by the University. **Applications received after the deadline date will not be considered.**

Deadline for Application: October 6, 2023