



University of Puerto Rico  
Mayagüez Campus  
Department of Human Resources  
PHONE: 787- 832-4040 Ext. 3159 FAX 787-831-1720



### JOB ANNOUNCEMENT

Announcement Number : 22-25

Position Title : Assistant Professor

Annual Salary : \$70,548.00

Location of Position : University of Puerto Rico  
Mayaguez Campus  
Department of Mechanical Engineering (<https://www.uprm.edu/inme/>)

Opening Date : September 29, 2022

Closing Date : January 15, 2023

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### INTRODUCTION

The **Department of Mechanical Engineering** at the University of Puerto Rico in Mayagüez (UPRM) extends an invitation to outstanding candidates to apply for a tenure-track position as Assistant Professor in the areas of Sustainability and Resilience as it relates to Energy. The Department of Mechanical Engineering has a vibrant undergraduate program with the highest demand and highest potential for growth in the College of Engineering at the University of Puerto Rico in Mayagüez. The undergraduate program is duly accredited by the **ABET Engineering Accreditation Commission**. In addition, the growing Master's and PhD program produces high-level research and has access to outstanding funding mechanisms to support innovative research (US federal government, local and international private industry).

### MINIMUM REQUIREMENTS

The candidate must have an exceptional academic preparation and/or demonstrate an outstanding experience in university teaching, scientific research and/or in the application of knowledge in one's field. The position requires a **doctoral degree (Ph.D.) in Mechanical Engineering with a specialty in Thermo-fluid Sciences** or related fields, including, but not limited to renewable energy, wind engineering, solar engineering, conventional and non-conventional energy storage applications, design of thermal systems, analytical and experimental modelling of innovative thermos-fluid systems, design and development of renewable energy systems, combined heat and power (CHP), supercritical CO<sub>2</sub> power generation, and next-gen nuclear reactors. The candidate must have the potential to immediately impact emerging focus areas in Energy, Sustainability and Resilience, as applied to Mechanical Engineering. The candidate is expected to have the potential to teach a variety of undergraduate and graduate level courses in mechanical engineering. The candidate must be proficient in communications skills in English, collaborative and interdisciplinary work, and leadership. The candidate must have the ability to contribute to a diverse and inclusive academic culture and to promote the mission of the Department of Mechanical Engineering and the University of Puerto Rico at Mayagüez.

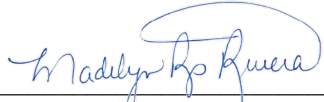
### JOB DESCRIPTION

The responsibilities of the hired person include a strong commitment to teaching and creating courses at the undergraduate and graduate level in the fundamental areas of mechanical engineering and the specialty area of the hired person, the development of a successful and independent research program funded by external funds, the dissemination of scientific articles in refereed and high-impact conferences and journals in the specialty area of the hired person, mentor graduate and undergraduate students, and actively participate in service to the department, the College of Engineering, the university and the profession.

### HOW TO APPLY

Interested candidates must submit the following documents electronically: letter of application, extended curriculum vitae, official transcripts of graduate and undergraduate studies, a teaching plan, a research plan, three (3) letters of recommendation from peers in the field of profession and at least three (3) recent professional products (last 5 years) in the candidate's specialty area. Applications should be directed to:

**Dr. Rubén E. Díaz Rivera, Department Chair**  
**Department of Mechanical Engineering**  
**University of Puerto Rico, Mayagüez Campus**  
**Call Box 9000, Mayagüez PR 00681-9000**  
**Telephonefono (787) 832-4040, 3719, Fax: (787) 265-5407**  
[rubene.diaz@upr.edu](mailto:rubene.diaz@upr.edu)  
[director.inme@upr.edu](mailto:director.inme@upr.edu)

SUBMITTED BY:   
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Madelyn Ríos Rivera, MBA  
Director

Some of the benefits that the University of Puerto Rico offers include: health plan, retirement, sick leave, and maternity and paternity leave.

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**WE ARE AN EQUAL OPPORTUNITY EMPLOYER –M/F/V/I**