

# Multiple positions available at King Fahd University of Petroleum and Minerals (KFUPM), Saudi Arabia.

Interested candidates can send their CVs to:

[luaimalh@kfupm.edu.sa](mailto:luaimalh@kfupm.edu.sa);

[azhar.memon@kfupm.edu.sa](mailto:azhar.memon@kfupm.edu.sa)

Last date to apply: 17<sup>th</sup> April 2022.

Only shortlisted candidates will be contacted for an interview.

Candidates should be willing to relocate to Saudi Arabia.

The details are given below:

1. One faculty member with academic rank of **Assistant Professor**  
Field of specialization: **High Voltage Engineering**  
Requirements:
  - Doctorate earned from a well-reputed university.
  - Excellent publication record in peer reviewed journals.
  - 3+ years of applied research experience. Industrial experience will be a plus.
  - Demonstrated ability to conduct research projects independently.
  - Can supervise undergraduate students.
  - Can teach undergraduate and graduate courses in the field of expertise.
  - Team-player, and able to work in multi-disciplinary teams.
2. One postdoctoral fellow  
Field of specialization: Related to **Ultrasonic Nondestructive testing (NDT)/Physics**.  
Requirements:
  - Doctorate earned from a well-reputed university or program, not before 2017.
  - The candidate is not holding an Assistant Professor or equivalent position in a reputed university.
  - Excellent publication record in peer reviewed journals.
  - Must be familiar with MATLAB/Python/C/C++.
  - Candidates with prior hands-on or industrial experience will be preferred.
  - Candidates with thorough knowledge of guided wave physics will be preferred.
  - Knowledge of electronics will be a plus.
  - Knowledge of software such as ANSYS ACP tool/ABAQUS FEA/Comsol will be considered an asset.
  - Team-player and able to work in multi-disciplinary teams.
  - Ability to work under strict deadlines.
3. Two postdoctoral fellows  
Field of specialization:

Related \_\_\_\_\_ to  
**Aquaculture/Hydroponics/Aeroponics/Aquaponics/Irrigation/Greenhouse climate control technology and automation, or any relevant field.**

Requirements:

- Doctorate earned from a well-reputed university or program, not before 2017.
- The candidate is not holding an Assistant Professor or equivalent position in a reputed university.
- Excellent publication record in peer reviewed journals.
- Candidates with prior hands-on experience will be preferred.
- Knowledge of basic Civil Engineering and Engineering Drawing will be a plus, but not required.
- Knowledge of design software such as Google Sketchup/AutoCAD/Shapr3D will be considered an asset.
- Team-player and able to work in multi-disciplinary teams.
- Ability to work under strict deadlines.

4. Two postdoctoral fellows

Field of specialization: **High Voltage Engineering**

Requirements:

- Doctorate earned from a well-reputed university, not before 2017.
- The candidate is not holding an Assistant Professor or equivalent position in a reputed university.
- Excellent publication record in peer reviewed journals.
- Can teach undergraduate courses in the field of expertise.
- Team-player and able to work in multi-disciplinary teams.
- Candidates with industrial R & D experience will be preferred.

5. One postdoctoral fellow

Field of specialization: **X-Ray tomography**

Requirements:

- Doctorate earned from a well-reputed university, not before 2017.
- The candidate is not holding an Assistant Professor or equivalent position in a reputed university.
- Excellent publication record in peer reviewed journals.
- Can teach undergraduate courses in the field of expertise.

6. One postdoctoral fellow

Field of specialization:

- Electromagnetic Interference (EMI)**
  - Radiated Emission (RE)**
  - Conducted Emission (CE)**
- Susceptibility (Immunity)**
  - Radiated Susceptibility (RS)**
  - Conducted Susceptibility (CS)**
- Electrostatic Discharge (ESD)**

Requirements:

- Doctorate earned from a well-reputed university, not before 2017.
- The candidate is not holding an Assistant Professor or equivalent position in a reputed university.
- Excellent publication record in peer reviewed journals.
- Can teach undergraduate courses in the field of expertise.

#### 7. One postdoctoral fellow

Field of specialization: **Civil Engineering**

The Applied Research Center for Metrology, Standards and Testing (ARCMST) is seeking applications from qualified and experienced candidates to work as a post-doctoral fellow.

The applicant must hold a Ph.D. degree from a reputed university in civil/structural engineering with a good publication record in the area of construction materials and field experience in the assessment and rehabilitation of concrete/steel structures. He should be conversant with the use of software for structural analysis of buildings and aware of national/international standards for evaluation, repair and rehabilitation of concrete/steel structures.

Knowledge of techniques used for the characterization of construction materials, such as SEM, XRD, DSC, DTA/TG, FTIR, etc., will be an added advantage.

The selected candidate is expected to actively contribute to the applied and basic research activities at the Center. He should be willing to contribute to the on-going applied research projects in the Center and participate in the basic research activities. He is also expected to provide support to the Center management in its administrative, facility development and R&D responsibilities.

Applicant must have an earned Ph.D. degree from a reputed institution with a good QS rank, strong record of published research and citations and research and field experience in the area of structures/construction materials.

- The applicant must be fluent in English, both spoken and written, and should have pursued his undergraduate and graduate studies in English as a medium of instruction.
- The applicant should have knowledge of preparing proposals and reports for client-funded and applied research.

#### 8. One postdoctoral fellow

Field of specialization: **Polymers**

The Applied Research Center for Metrology, Standards and Testing (ARCMST) is seeking applications from qualified and experienced candidates to work as a post-doctoral fellow.

The applicant must hold a Doctoral degree in Materials, Process or chemical engineering from a reputed university with a focus on Polymer Materials Science and Engineering. It is necessary to have experience with material characterization including chemical, physical, thermal and mechanical properties. Knowledge of techniques used for the characterization of materials, such as XRD, XRF, FTIR, DSC, DTA/TG, DMA, SEM, TEM, etc., is desirable. A documented/hands-on experience in areas such as molecular/material modelling, polymer processing (extrusion, injection compression etc.), composite development, material characterization, characterization by microscopy, development of natural products will be added advantage.

The selected candidate is expected to actively contribute to the applied and basic research activities at the Center. He should be willing to contribute to the on-going applied research projects in the Center and participate in the basic research activities. He is also expected to provide support to the Center management in its administrative, facility development and R&D responsibilities.

Applicant must have an earned Ph.D. degree from a reputed institution with a good QS rank, strong record of published research and citations and research and field experience in the area of structures/construction materials.

- The applicant must be fluent in English, both spoken and written, and should have pursued his undergraduate and graduate studies in English as a medium of instruction.
- The applicant should have knowledge of preparing proposals and reports for client-funded and applied research.

#### 9. One postdoctoral fellow

Field of specialization: **Metrology**

The Applied Research Center for Metrology, Standards and Testing (ARCMST) is seeking applications from qualified and experienced candidates to work as a post-doctoral fellow.

The applicant must hold a Ph.D. degree from a reputed university in Control/Instrumentation/Systems Engineering with a good publication record and proven practical experience in the fields of electrical, mechanical and radiation metrology. He should be conversant with the use of latest instrument calibration techniques, measurement uncertainty analyses and the maintenance of precision measurement standards utilized in a primary-level calibration facility. Exposure to the ISO/IEC-17025 quality standard and the ability to design and implement measurement data acquisition systems, will be an added advantage.

The selected candidate is expected to actively contribute to the applied and basic research activities at the Center. He should be willing to contribute to the on-going applied research projects in the Center and participate in the basic research activities. He is also expected to provide support to the Center management in its administrative, facility development and R&D responsibilities.

Applicant must have an earned Ph.D. degree from a reputed institution with a good QS rank, strong record of published research and citations and research and field experience in the area of structures/construction materials.

- The applicant must be fluent in English, both spoken and written, and should have pursued his undergraduate and graduate studies in English as a medium of instruction.
- The applicant should have knowledge of preparing proposals and reports for client-funded and applied research.