



Electrical Engineering Assistant Professor Positions at the Electrical Engineering department, King Fahd University of Petroleum and Minerals (KFUPM)

Start Date: As soon as possible

Duration: An initial contract for two years, renewable every two years.

Department Chairman: Dr. Ali Al-Shaikhi, KFUPM, shaikhi@kfupm.edu.sa.

The EE department invites applications for the faculty positions at the Assistant Professor rank or higher. Candidates with focus on signal processing, control, and power are strongly encouraged to apply. Specifically, EE Department is looking for enthusiastic candidates with solid background in any of these three fields, some background on seismic operations, and excellent programming skills.

The EE department recently established the Center for Energy and Geo Processing (CeGP) at King Fahd University of Petroleum and Minerals (KFUPM) in collaboration with Georgia Institute of Technology. The center is a joint initiative between the Department of Electrical Engineering at KFUPM and the School of Electrical and Computer Engineering (ECE) at Georgia Institute of Technology. The center research focuses on applying modern signal processing to energy-related signals such as seismic signals and geo-signals in general. In addition, the Center focuses on education projects that lead to developing curriculum and new learning methodologies. The center mission is to advance the theory of signal processing with the focus on geo signals and seismic data and to develop best education practices in engineering. The Center covers the following four areas of research:

1. Signal/Image Acquisition (SAQ)
2. Signal/Image Processing (SPR)
3. Signal/Image Interpretation (SIT)
4. Smart Grid and Efficient Energy Systems (SEES)

Qualifications:

1. A PhD degree in Electrical Engineering (signal/image processing, computer vision, pattern recognition) or related area;
2. Excellent technical skills in signal/image processing, control, or power
3. Excellent programming skills with MATLAB and/or C/C++;
4. Knowledge in geophysics and seismology, is very much desirable



How to Apply:

Applicants should apply by submitting a CV, supporting documents, a list of all publications, and a statement of research to cegp@kfupm.edu.sa. Candidates should arrange for four letters of recommendation to be emailed directly to same address.

For additional information, please contact Dr. Ali Al-Shaikhi at the address above.

Contract Benefits:

- Competitive tax free Basic salary.
- Local transportation allowance in the amount of Saudi Riyals 7,200 per year.
- Free furnished air-conditioned on-campus housing unit with essential utilities and maintenance.
- Tuition fees for dependent children of school-age according to university policy.
- Paid annual vacation for 60 days, in addition to all official holidays.
- Termination of service benefit according to KFUPM policy.
- Free medical and dental services at the KFUPM Medical Center.
- Research Startup Grant according to KFUPM policy.
- Annual air tickets for yourself, your wife and two dependent children below 18 years between Dammam and your (actual) point of origin according to university policy.

About Electrical Engineering Department at King Fahd University of Petroleum and Minerals

Electrical Engineering Department is one of the largest departments at KFUPM with over 60 faculty members and students population of around 1200 (around 160 are multinational graduate students). The department has over 25 labs both for education and research.

The department has strong collaborative research and educational programs in communications, signal processing, power systems, automatic control, electromagnetic, and electronics. It has excellent infrastructure facilities to support advanced research activities. The department faculty has also access to major research facilities provided by the University Research Institute. Also, there are lots on venues to get grants for funded projects. Also, there are lots of opportunities to work with giant industries since the university hosts the largest collections of oil and gas companies in Dhahran Techno Valley (DTV) which is located inside campus. DTV holds about 19 companies so far and the number is increasing. DTV is envisioned to be Middle East's most prestigious, industrial research and development (R&D) and technology nucleus. Some of the companies at DTV are Saudi Aramco, Halliburton, Yokogawa, Honeywell, Baker Hughes, Weatherford, Schlumberger, and General Electric.