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## Postdoc Positions at the Center for Energy and Geo Processing (CeGP)

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**Start Date:** As soon as possible

**Duration:** An initial appointment for one year, which can be extended for one more year.

**Centre Director:** Dr. Ali Al-Shaikhi, KFUPM, [shaikhi@kfupm.edu.sa](mailto:shaikhi@kfupm.edu.sa).

The Center for Energy and Geo Processing (CeGP) at King Fahd University of Petroleum and Minerals (KFUPM) and in collaboration with Georgia Institute of Technology announces the opening of several research postdoc positions for immediate hiring. 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.

With more than 10 faculty members and 20 graduate students, 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)

The Center is looking for enthusiastic candidates with solid background in signal processing, some background on seismic operations, and excellent programming skills. The Center is seeking a candidate with experience in at least two areas from the list mentioned above.

### 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;
3. Excellent programming skills with MATLAB and/or C/C++;
4. Knowledge in geophysics and seismology, is very much desirable



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## 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](mailto: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. For more information on the Center, visit our website: <http://www.kfupm.edu.sa/cegp>.

## Package benefit

The contract has a competitive salary along with a number of benefits including basic health services, furnished housing, paid annual vacation, transportation allowance, financial support for kids' education and others.

## About Electrical Engineering Department

The Electrical Engineering Department invites applications for the faculty positions at the Lecturer, Assistant Professor, Associate Professor and Professor Ranks. Candidates with substantial experience of teaching and research in the field of Electrical Engineering, in general, and particularly in the Digital Systems, Electronics, Power Systems and Control specializations are strongly encouraged to apply. Applicants should possess an earned Ph.D. degree in Electrical Engineering or closely related fields. Relevant industrial experience is highly desirable.

The department has strong collaborative research and educational programs in communications, signal processing, power systems, automatic control, 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.