

The University of Kansas

Department of Chemical & Petroleum Engineering and the KU Office of Research

Associate or Full Professor of Petroleum Engineering and Director, Tertiary Oil Recovery Program

POSITION: This is a combined academic and research center appointment, offering an opportunity to conduct research in petroleum recovery technology with a reduced teaching commitment. The faculty member selected for this tenured faculty appointment will teach core and elective courses in petroleum engineering and conduct research. The faculty member will also lead the Tertiary Oil Recovery Program (TORP) as Director, working with TORP staff to provide administrative oversight and strategic direction for the program. The faculty member will have unique opportunities to take a leadership role in energy related research projects involving faculty and staff in the C&PE and Geology Departments, as well as TORP and the Kansas Geological Survey.

Applications are sought from individuals with a nationally and internationally recognized research record and a strong vision for multidisciplinary energy-related research. The appointee will establish funded research programs, mentor undergraduate students, graduate students, postdoctoral associates and professional staff, and will foster multidisciplinary collaborative efforts between KU researchers and both academic and industrial research partners. As a senior faculty member and Director, the faculty member will be involved in several new faculty hires in Petroleum Engineering and have the opportunity to help form the future direction of the program.

C&PE DEPARTMENT (<http://www.cpe.engr.ku.edu/>): The Department offers B.S., M.S., and Ph.D. degrees in chemical and petroleum engineering. The department has a proud tradition of commitment to excellence in research, as well as undergraduate and graduate education. The department has experienced remarkable growth in recent years and has 21 faculty members, nearly 600 undergraduate students, and 60 graduate students.

TERTIARY OIL RECOVERY PROGRAM (<https://www.torp.ku.edu/>)

The Tertiary Oil Recovery Program (TORP) works with the petroleum industry to identify, evaluate and investigate the full potential of oil recovery in Kansas and throughout the world. Technologies under investigation include standard water-flooding, polymer-based recovery technologies, carbon dioxide flooding, surfactant/polymer flooding, oilfield water treatments as well as novel nanoscience-based technologies. TORP has a thriving technology transfer program designed specifically for the regional oil and gas industry and actively interacts with the national and international petroleum industry to provide technical assistance on oil production practices. TORP has developed a research facility at The University of Kansas equipped to conduct a wide-range of laboratory experiments related to oil recovery. The TORP staff team also collaborates with oil and gas producers in Kansas to implement field tests to demonstrate the feasibility of new technologies including CO₂ injection and chemical flooding. TORP has state-based funding which provides for professional staff, support staff and maintenance. In addition to the Director and administrative support team, TORP employs three full-time senior professionals who work with a range of post-doctoral level researchers and graduate students. The program benefits from a variety of industry consortia focusing on petroleum exploration and production and processing, and will soon occupy new multidisciplinary energy research spaces, visualization and modeling laboratories and an industrial outreach center.

REQUIRED QUALIFICATIONS

1. Ph.D. degree in petroleum engineering or a closely related field.
2. Leadership in petroleum engineering research in either an academic or industrial setting.
3. Demonstrated ability to sustain a program of funded research in petroleum engineering.
4. Demonstrated administrative management of a multidisciplinary research collaboration related to petroleum engineering.
5. Ability or potential to teach core and elective courses at the undergraduate and graduate levels in petroleum engineering.
6. Eligible for a tenured associate or full professor appointment at the University of Kansas [See Faculty Senate Handbook on the following KU web site for the criteria: <http://www.provost.ku.edu/areas/faculty/handbook/c2.shtml#2>]

SALARY RANGE AND APPOINTMENT:

The position is available beginning August 18, 2015. Base appointment is 9 months. Salary and benefits are competitive and commensurate with qualifications and experience.

APPLICATION PROCEDURES: A complete online application will include the following PDF files: 1) a letter of application; 2) curriculum vitae; 3) contact information (including email) for three individuals who can provide letters of recommendation; 4) a teaching statement; and 5) a research statement. Apply at <http://employment.ku.edu/academic/1749BR> or <http://employment.ku.edu> and click on "Search Faculty Jobs" and search for "TORP" under key word.

Review of applications begins November 21, 2014, and will continue as long as needed to fill the position.

KU is an EO/AEE. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex (including pregnancy), age, national origin, disability, genetic information or protected Veteran status.