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PENNSYLVANIA STATE



Assistant Professor of Energy and Mineral Engineering

The Department of Energy and Mineral Engineering (EME; <http://www.emc.psu.edu>) at The Pennsylvania State University invites applications for a full-time, tenure-track faculty position at the assistant professor level with a starting date of July 1, 2008. The principal research and teaching area for the position is in petroleum and natural gas engineering especially drilling and production engineering. EME is home to Penn State's degree programs in Petroleum and Natural Gas Engineering, Mining Engineering, Environmental Systems Engineering, Energy Engineering, and Energy Business and Finance. The successful applicant will help to build and maintain excellence in Penn State's petroleum and natural gas engineering program. The candidate will teach undergraduate and graduate courses, supervise graduate students at the MS and PhD levels, and carry out an active research program in his/her area of specialization. Candidates should have a doctorate degree in petroleum engineering or a related field and, preferably, industrial experience. The successful candidate should demonstrate strong communication and presentation skills. Although the search is aimed at the Assistant Professor level, more senior candidates who have the potential to increase the diversity of our faculty are also encouraged to apply. Demonstrated ability and willingness to establish an externally funded research program, conduct independent research, and publish scholarly research are expected. Penn State is committed to adding at least 24 new faculty in energy in the next four years (<http://www.psiee.psu.edu>, and <http://www.psiee.psu.edu/publications/EnergyReport.pdf>) and we expect the new faculty to collaborate with other energy-related faculty in the University. Applications should include: (1) a curriculum vitae including educational background, employment history; (2) a statement concerning research and teaching interests; (3) names and addresses of at least three referees; (4) samples of refereed publications. Send applications via regular mail or electronically to: Turgay Ertekin, Chair of Search Committee, Department of Energy and Mineral Engineering, The Pennsylvania State University, 115 Hosler Building, University Park, PA 16802, USA; Fax: (814) 863-1875; E-mail: eur@psu.edu Deadline: The Search Committee will begin to review applications on February 1, 2008 and the search will remain open until the position is filled. We promote excellence through diversity and encourage all qualified individuals to apply.

Penn State is committed to affirmative action, equal opportunity and the diversity of its workforce.

PENN STATE Making Life Better

Chevron seeks Research Eng in Richmond, CA. PhD in Chem Eng + 2 yrs exp in job offered or as Researcher / Reaction Eng and Process Development. Req'd skills: process eng incl. control, automation, simulation & safety, project management, reaction eng & catalysis, pilot plant operation, data analysis, procedure writing, experimental & reaction design, & experimental/analytical techniques. Mail resume: Chevron, 1301 McKinney, Houston, TX 77010 Attn: Y. Vasquez. Ref. Job 78.

Chevron seeks Staff Scientist in Richmond, CA. PhD in Inorganic, Physical or Analytical Chemistry. Req'd skills: analytical characterization of petroleum & its products, linking analytical results to product performance, spectroscopic monitoring of reaction performance, complex heavy & xtra heavy oil R&D projects & peer reviewed publications. Mail resume: Chevron, 1301 McKinney, Houston, TX 77010 Attn: Y. Vasquez. Ref. Job 74.

Chevron seeks Sr. Research Eng. in Richmond, CA. PhD in Chem. Engineering + 3 yrs in job offered or as Researcher and/or Chem. Engineer. Req'd skills: designing, producing & testing heterogeneous catalysts; catalyst characterization in noble metal catalyst; modern analytical techniques incl. FT-IR, Raman Spectroscopy, TGA -DSC, Gas Chromatography, Mass Spectrometry, Nitrogen Physisorption, Chemisorption, XRD & XPS. Mail resume: Chevron, 1301 McKinney, Houston, TX 77010 Attn: Y. Vasquez. Ref. Job 72.

North Coast Energy, Inc. is currently seeking experienced oil and gas professionals to facilitate in actively pursuing new opportunities in the Appalachian Basin. We are looking for motivated, goal-oriented individuals to join our multi-

STANFORD UNIVERSITY Computational Geoscientist Position

Stanford University's School of Earth Sciences invites applications for a senior tenure-track faculty appointment at either the Associate or Full Professor level in the area of computational geosciences. We welcome applicants with strong skills in computational theory and practice, as well as a working familiarity with numerical methods for large-scale problems, parallelization paradigms, and modern computer systems. The successful applicant will have research experience or interests in applications to Earth and environmental problems, including but not limited to one or more of the following areas: energy, water, other natural resources, atmospheres, oceans, fluid dynamics, geodynamics, geomechanics, hazards, seismology, electromagnetics, inversion, optimization, and imaging of the earth surface and interior. Experience with large geoscience datasets is desirable.

Strong interest in or experience with research collaboration and teaching across earth and environmental science disciplines is highly desirable. We expect the successful applicant to lead development and growth of the Stanford Center for Computational Earth and Environmental Science. The Center, with its shared high productivity computing resources, seeks to expand research and educational opportunities in computational geosciences. This appointment will be with one (or jointly with two) of the four departments in the School of Earth Sciences: Energy Resources Engineering, Geological and Environmental Sciences, Geophysics, and Environmental Earth System Science (proposed). Further information about the School of Earth Sciences and this search can be found at <http://pangea.stanford.edu/>.

Stanford University is an equal opportunity employer and is committed to increasing the diversity of its faculty. It welcomes nominations of and applications from women and minority groups, as well as others who would bring additional dimensions to the university's research, teaching and service missions.

Please apply online (<http://pangea.stanford.edu/about/jobs.php>) with the following material (.pdf only): cover letter, curriculum vitae, a statement outlining research and teaching experience and interests, and the names and addresses of four referees. Address material to Computational Geosciences Search Committee.

Applications received by January 31, 2008 will receive full consideration, though the position will remain open until the appropriate applicant is identified.

faceted team and are currently seeking candidates for the following positions (Akron/PA/Ravenswood):

Drilling Manager
Drilling Engineer
Reservoir Engineer
Staff Landman

We offer a competitive compensation and benefits package. Qualified applicants should reply to Human Resources Dept., North Coast Energy, Inc., One GOJO Plaza, Suite 325, Akron, Ohio 44311, or email hr@northcoastenergy.com. Resumes can also be faxed to 330-572-8477.

North Coast Energy, Inc. is an equal opportunity employer.

CSIRO is Australia's national science agency and one of the largest and most diverse research agencies in the world. CSIRO's Petroleum Resources Division provides world-class research and development solutions to the petroleum industry in Australia and the rest of the world. The division has strong applied research groups covering many aspects of the geosciences and geo-engineering, including structural geology, clastic and carbonate sedimentology and stratigraphy, geomechanics, geophysics, rock physics, petro-

physics, hydrogeology, organic and inorganic geochemistry, fluid history analysis, petroleum engineering and drilling mechanics. Much of the research involves integration across disciplines and is done in collaboration with industry, universities or other government geoscience agencies. In addition, cross-boundary scientific collaboration is encouraged, with many current projects involving biologists, biochemists, physicists and materials scientists in other divisions of CSIRO. Publication is strongly encouraged, especially with industry collaboration. The Division has offices in Perth, Sydney and Melbourne.

The Petroleum Resources Division is currently looking to expand and seeks enthusiastic and motivated individuals. Positions are available from entry level (minimum bachelor's degree) to senior level. In particular, we are interested in people with expertise in the following area:

- Reservoir Engineer (position ref: 2007/1236)
- Flow modelling (position ref: 2007/1235)

Successful candidates will work in close cooperation with researchers in their discipline as well as with scientists from other disciplines, but will be encouraged to work or develop into a position of autonomy, innovating and devising their own research plans. Responsibility and remuneration will be based on experience. Training and internal courses will be integral to the development of all applicants.

For selection documentation and details on how to apply visit www.csiro.au/careers or call 1300 301 509.

SITUATIONS WANTED

PETROLEUM ENGINEER / Wall Street. Inventor & Patent Holder in Injected Liquid Oxygen/Injected Water-Liquid Oxygen Mixture Injection Processes & New Hydrolyzed PTFE (Teflon R) Motor Oil, which allows for Continuous Combined Cycle (Steam Engine—Internal Combustion Engine) operation, achieves optimal fraying surfaces dimension by coating. Two SPE papers, BSChE University of Arizona, 8 patents (welding/petroleum/lubrication). Worked as a journalist. Liquid oxygen injection (contour profile control in flooding, stimulation, reservoir definition, etc) for +20 years. Language & work experience in Chinese (7 years), Arabic, Spanish, Norwegian, and Russian. Certified Welding Inspector (CWI). Expert in underwater welding. Registered representative inactive with SEC. Graduate of marine diving school and worked in the management of the company with world largest diving contract. Computer (Vista, XP, Excel, Power Point, internet) +10 years. **Code 996**

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young professional challenges, women's interests and more. Find a workshop for you. Register and learn more at www.spe.org/atws.

Nanotechnology in Upstream E&P: Nano-Scale Revolutions to Mega-Scale Challenges	3–6 February 2008	Dubai, UAE
Reservoir Layering—Ignore it at your Peril!	12–14 February 2008	London, UK
Corporate Social Responsibility	18–20 February 2008	Abu Dhabi, UAE
Vision 2020: Young Professionals Leading the Industry	24–27 February 2008	Dubai, UAE
Well and Reservoir Management—Best Practices for Increased Production and Reserves Addition	24–27 February 2008	Bandar Seri Begawan, Brunei
SPE/AIChE Joint Workshop: Practical Strategies for Managing CO ₂ Emissions—Today Not Tomorrow	25–26 February 2008	Sonoma, California, USA
Horizontal and Multilateral Wells	27–28 February 2008	Merida, Yucatan, Mexico
Produced Water Handling and Disposal	5–6 March 2008	Port-of-Spain, Trinidad & Tobago
SPE/AMGE Geosciences for Reservoir Characterization and Performance Simulation	10–11 March 2008	Villahermosa, Mexico
Managing Naphthenates and Soap Emulsions	10–13 March 2008	Pau, France
Management of Technology	16–19 March 2008	Langkawi, Malaysia
Stimulating Shale Reservoirs	18–19 March 2008	Pittsburgh, Pennsylvania, USA
Young Professionals Workshop	26–29 March 2008	Bangkok, Thailand
Water Management	6–10 April 2008	Bali, Indonesia
Artificial Lift Systems	7–10 April 2008	Mendoza, Argentina

Petroleum Chemist PhD and MBA-level training, has over 25 years of experience with producers, service companies and as an independent consultant, involving reservoir, drilling and production, with significant experience in HSE management issues. Has recently developed and taught a wide variety of petroleum engineering courses in a technical university. Specialist areas are: The monitoring of non-hydrocarbons in natural gas and associated gas streams; Development and evaluation of fluid sampling techniques and on-site measurements, especially for hydrogen sulphide; Pressure-Volume-Temperature laboratory methods and management; Protecting and facilitating access to laboratory data; HSE monitoring and management. Excellent skills in documentation and spreadsheet applications. Regular participation in SPE activities and publications. Fluent in English and French. Seeking a post in one or more of the following areas: research and development, field support and training. Will relocate to most countries.
Code 994

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PENN STATE



Assistant Professor of Energy and Mineral Engineering and Geosciences

The Departments of Energy and Mineral Engineering (EME) and Geosciences seek to hire two joint tenure-track Assistant Professors in the area of Geologic Carbon Sequestration with a preferred starting date of July 1, 2008. These positions are part of a large initiative to hire 24 new faculty members at the University to advance energy-related research and education activities under the umbrella of the Penn State Institutes of Energy and the Environment (PSIEE). In particular we are seeking candidates whose research falls into one or more of the challenging areas of engineering and geoscience associated with the introduction and fates of carbon-bearing fluids in the subsurface environment, as addressed in the following areas: Basin Analysis and Modeling. The development of process models for the stratal architecture, sedimentary facies, and stratigraphic stacking patterns is needed to define and characterize sequestration targets. Areas of expertise include sequence stratigraphy, integration of geological, geochemical and geophysical data to define depositional sequences and facies, and integrated reservoir studies. Formation Characterization and Imaging. Three-dimensional seismic data analysis through time (4D) allows the unraveling of subsurface structure and the temporal evolution of reservoir fluids, stress state, and flow properties such as fracture density, porosity and permeability distribution. Advances in 4D formation imaging are needed for monitoring and performance assessment of CO₂ storage. Fluid-Rock Interactions. Effective sequestration will be promoted by characterization and modeling fluid trap and seal evolution, and process-based understanding of the transmission, transformation, and trapping of fluid and solid components within the subsurface. Experimental and modeling expertise may include formation evaluation, petrophysics, fluid mechanics and kinetics applied to water-rock-hydrocarbon-CO₂ mixtures. Outstanding candidates who creatively apply theoretical, observational, and/or experimental approaches are encouraged to apply. Applicants should have a doctoral degree in petroleum engineering or geosciences and demonstrate a distinguished record of scholarship and potential for developing a vigorous externally funded research program at Penn State. They are expected to contribute to core teaching in geosciences or petroleum engineering. Review of applications will begin February 1st, 2008 and will continue until a suitable candidate is found. Applications should include a complete vita, a statement outlining teaching and research interests, and names and addresses of four or more references. Send application materials to: Joint Search-Committee Chair, 503 Deike Building, The Pennsylvania State University, University Park, PA 16802. Members of the two academic departments will be at the Fall AGU meeting. Please e-mail Teresa Craig (tcraig@geosc.psu.edu) to schedule a meeting. For more information on the Departments of EME and Geosciences, PSIEE and the Penn State energy initiative, go to <http://www.emc.psu.edu>, <http://www.geosc.psu.edu>, and <http://www.psiee.psu.edu>, and <http://www.psiee.psu.edu/publications/EnergyReport.pdf>. We encourage applications from individuals of diverse backgrounds to apply.

Penn State is committed to affirmative action, equal opportunity and the diversity of its workforce.

PENN STATE *Making Life Better*