UK CENTER FOR APPLIED ENERGY RESEARCH SEeks Postdoctoral Researcher for Chemical Looping Combustion and Gasification Technologies

DATE: November 2014

The University of Kentucky, Center for Applied Energy Research (CAER) anticipates adding a postdoctoral researcher position in the CO₂ capture area. The position primary responsibility will be in chemical looping combustion and gasification technology development and evaluation. A summary of the position is listed below:

Postdoctoral Scholar

The University of Kentucky, Center for Applied Energy Research (CAER) is seeking to fill an immediate full-time postdoctoral opening. The successful candidate will develop and evaluate chemical looping combustion and gasification processes. Specific focus will be placed on the design of solid cycling materials.

The position requires a Ph.D. in chemical engineering or a related field from an accredited college or university. Prior experience in the CO₂ capture research field and related solid cycling materials is highly desirable.

The ideal candidate should:

- Possess good understanding of chemical kinetics and mass transfer properties.
- Have good experience and ability to synthesize particulate CLC materials.
- Possess proficiency with experimental design and execution.
- Have creativity and be able to formulate new research directions.
- Have a working understanding of and ability to use computational simulations for process design.
- Be able to work both independently and as a member of a research team.
- Have excellent English oral and written communication skills and ability to present their work at scientific meetings and to peer-reviewed journals.

Successful candidates will be offered a competitive salary and benefits based on their experience and accomplishments. The University of Kentucky, Center for Applied Energy is located in Lexington, KY.

The University of Kentucky is an Equal Opportunity University.

Interested individuals are encouraged to submit their resume and statement of research interests for preliminary review to: Lisa Richburg (lisa.richburg@uky.edu). Please include the position for which you are applying in the subject line.

Once the position is officially open, the full job description will be listed on the University of Kentucky employment web page (http://www.uky.edu/HR/UKjobs/). At that time, the candidates must submit an application online.

CAER Website:  http://www.caer.uky.edu

Power Generation Research Group Website:  http://www.caer.uky.edu/powergen/home.shtml

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