



## INTERNATIONAL INSTITUTE FOR CARBON-NEUTRAL ENERGY RESEARCH

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*The International Institute for Carbon-Neutral Energy Research (I<sup>2</sup>CNER) at Kyushu University, Japan is actively seeking candidates for open-rank faculty and post-doctoral research associates on Energy Analysis.*

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### OUTLINE

The International Institute for Carbon-Neutral Energy Research (I<sup>2</sup>CNER) is one of the World Premier International Research Center Initiative (WPI) Institutes of Japan supported by the Ministry for Education, Culture, Sports, Science and Technology (MEXT). Faculty members and researchers associated with I<sup>2</sup>CNER are dedicated to the Institute's mission to contribute to the advancement of low carbon emission and cost effective energy systems and improvement of energy efficiency. The array of technologies that I<sup>2</sup>CNER's research aims to enable includes Solid Oxide Fuel Cells, Polymer Membrane based fuel cells, biomimetic and other novel catalyst concepts, and production, storage, and utilization of hydrogen as a fuel. Our research also explores the underlying science of CO<sub>2</sub> capture and storage or the conversion of CO<sub>2</sub> to a useful product. Additionally, central to I<sup>2</sup>CNER's mission is the establishment of an international academic environment that fosters innovation through collaboration and interdisciplinary research (fusion). I<sup>2</sup>CNER is located on the Ito Campus of Kyushu University which houses extensive state-of-the-art experimental and computational facilities.

### QUALIFICATIONS & CURRENT OPENINGS

I<sup>2</sup>CNER is seeking faculty and post-doctoral research associates with experience in energy system analysis in Japan or globally, knowledge of data on current use, costs, and emissions of energy systems and infrastructure, and any significant energy system models including projections for the future. The successful candidates are expected to work in the energy analysis research cluster of the institute and closely collaborate with the corresponding technical clusters. For the faculty candidates, emphasis will be placed on those who can establish and maintain an active and independent research program that is relevant to the energy analysis mission of the Institute, and provide service to the Institute, the university, and the profession.

### REQUIRED APPLICATION MATERIALS\*

1. Cover letter
2. Application form (located on website)
3. Curriculum vitae that details research experience and interests
4. Research proposal: Please discuss what energy analysis you propose and how it will assist I<sup>2</sup>CNER and Japan better understand the role that renewable energy and/or other low carbon energy systems can play in the near term and longer term in Japan. How will it help ensure that the research conducted at I<sup>2</sup>CNER will lead to cost effective, energy efficient and low greenhouse gas emissions energy approaches useful for Japan and that can compete with the existing energy systems. Include what other energy analysis has already been done in this area and how the proposed research will result in new knowledge and insights.
5. List of publications  
Separate lists for refereed journal and conference proceeding.
6. Names and contact information of four references

***\*All materials must be submitted in English.***

**SALARY & STARTING DATE**

Salary will be commensurate with qualifications and experience. The starting date will be as soon as possible after the closing date.

**APPLICATION DEADLINE**

- Sunday, August 31, 2014
- Interviews may take place prior to closing date; however, no final decisions will be made until after this time.

**APPLICATION SUBMISSION**

Please email your application materials via email attachment to: [wpi-office@i2cner.kyushu-u.ac.jp](mailto:wpi-office@i2cner.kyushu-u.ac.jp)

**QUESTIONS?**

Please contact the I<sup>2</sup>CNER Administrative Office at: [wpi-office@i2cner.kyushu-u.ac.jp](mailto:wpi-office@i2cner.kyushu-u.ac.jp)

International Institute for Carbon-Neutral Energy Research (I<sup>2</sup>CNER)

Kyushu University

744 Motooka, Nishi-ku, Fukuoka

Postal Code 819-0395, JAPAN

TEL: +81-(0)92-802-6932 FAX: +81-(0)92-802-6939

*Kyushu University is an Equal Opportunity/Affirmative Action Employer. The administration, faculty and staff embrace diversity and are committed to attracting qualified candidates who also embrace and value diversity and inclusivity.*