



## 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 outstanding candidates for non-tenured faculty at the **full or associate professor rank**.*

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### OUTLINE

As of April 1, 2020, the International Institute for Carbon-Neutral Energy Research (I<sup>2</sup>CNER) is a member Center of the “WPI Academy” founded by MEXT’s Research Promotion Bureau on April 21, 2017. I<sup>2</sup>CNER’s mission is to contribute to the creation of a sustainable and environmentally friendly society by conducting fundamental research for the advancement of low carbon emission and cost-effective energy systems, and improvement of energy efficiency. The research efforts are organized into three thematic research clusters or “Thrusts” as follows: Advanced Energy Materials, Advanced Energy Conversion Systems, and Multiscale Science and Engineering for Energy and the Environment. This structure allows us to capture our most relevant existing capabilities and organize them for the best future impact. It also provides an efficient mechanism for world-class international and Japanese researchers to work interactively to accomplish common goals which cut across disciplines.

I<sup>2</sup>CNER is seeking to recruit non-tenured faculty at the full or associate professor rank with appointment **from July 1, 2022 (at earliest) to March 31, 2026**. *Successful candidates will be those who are capable of establishing and maintaining an active research program anchored in I<sup>2</sup>CNER and carrying out interdisciplinary research across the Institute’s thematic research Thrusts. In addition, the relevance of the candidate’s expertise to the I<sup>2</sup>CNER needs according to the thematic Thrust organization will constitute an important criterion at the stage of document Screening.* Renewal of the appointment beyond March 31, 2026 shall be considered based on performance evaluation.

### CURRENT OPENING

I<sup>2</sup>CNER is seeking a scientist for a non-tenured faculty position at the full or associate professor rank to advance basic/application-based research on CO<sub>2</sub> separation and capture, especially membrane separation. Particularly, achievements and research abilities related to the design, fabrication, and evaluation of membranes (gas membrane separation including polymer membranes) are required in separation process.

In addition, it is necessary to have the capability to supervise and guide postdoc researchers. Furthermore, it is desirable to present the obtained results in academic conferences or publish them in academic papers.

The faculty in this position will be provided with research funds including a budget for hiring a postdoc.

This faculty member’s affiliation is the “Mitsui Chemicals, Inc.-Carbon Neutral Research Center (MCI-CNRC)” in I<sup>2</sup>CNER and he/she will be engaged in joint research with Mitsui Chemicals, Inc.

### QUALIFICATIONS

Applicants must have a doctorate or Ph.D. degree, and have expertise and excellent research achievements in the fields of membrane separation.

## REQUIRED APPLICATION MATERIALS\*

1. Cover letter
2. Application form (located on <https://i2cner.kyushu-u.ac.jp/en/recruit/>)
3. Curriculum vitae which details research experience and interests
4. Three-page research proposal that includes the following: i) Project description addressing one of the themes listed in the previous section, describing the state-of-the-art in the field, and the importance of the problem(s) to be solved; ii) Proposed research including the technical approach and the methods to be used; iii) Relevance of the proposed research to I<sup>2</sup>CNER's project roadmaps, milestones, targets, and benchmarks; iv) Potential impact of the proposed research.
5. List of publications (separate lists for refereed journals and conference proceedings)
6. Three letters of reference

***\*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

- **April 28 (Thu.), 2022, 17:00 (Japan)** \*updated on March 11, 2022
- Document screening addressing the application's relevance to the current I<sup>2</sup>CNER needs as described in section "Current Opening" and the candidate's ability to establish a research program anchored in I<sup>2</sup>CNER will determine whether a candidate will be interviewed.
- Interviews (might be conducted online) and 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 Motoooka, 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.*