

## **Announcement of Faculty Position**

*Institute for Frontier Science Initiative, Kanazawa University*

### **1. Position:**

Tenure Track (TT) Assistant Professor

### **2. Affiliation:**

Carbon Recycling and Energy Processes Research Unit, Future Society Creation Research Core,  
Institute for Frontier Science Initiative, Kanazawa University

<https://infiniti.adm.kanazawa-u.ac.jp/en/>

### **3. Field of specification:**

Among the six research units that organize the Future Society Creation Research Core, the Carbon Recycling and Energy Processes Research Unit (<https://infiniti.adm.kanazawa-u.ac.jp/en/core/mirai06.php>) challenges contributing an early achievement of “Carbon Neutrality” through the development of a low-temperature driven Temperature Swing Adsorption TSA process for carbon capture from air and flue gases. The recruited assistant professor is expected to play a central role in promoting interdisciplinary research on carbon recycling and/or effective use of energy as a young principal researcher in the above research unit with a basic academic field of separation engineering, process engineering, or mechanical engineering, and to participate actively in joint research with companies and student training.

### **4. Education:**

- 1) School of Mechanical Engineering, College of Science and Engineering, Kanazawa University
- 2) Division of Transdisciplinary Sciences, Graduate School of Frontier Science Initiative, Kanazawa University (TT Assistant Professor is responsible to Master's Level Section only.)
- 3) Division of Mechanical Science, Graduate School of Natural Science and Technology, Kanazawa University (TT Assistant Professor is responsible to Master's Level Section only.)

### **5. Subject responsible for:**

- 1) Undergraduate course: Subjects related to the above research field.
- 2) Graduate course: Subjects related to the above research field.

### **6. Employment status:**

TT Assistant Professor: Full time, non-tenured (In principle 5 years).

\* Outline for the standard in making decision on the approval of academic tenure.

- 1) Research achievement in the concerned field is outstanding in both domestic and international research communities.
- 2) Appropriately planned research including plans of the research unit are sufficiently achieved.
- 3) Sufficient competitive research funding is obtained.
- 4) Educational achievement for students (research guidance and lecture) is outstanding.

\* The expected annual financial research support is about ¥1,000,000 during the first five years.

### **7. Compensation:**

Annual salary system is applied.

### **8. Qualification requirements:**

- 1) The candidate should be a researcher with a doctoral degree.
- 2) The candidate should have enthusiasm for education and research.
- 3) The candidate should take a progressive approach to collaboration with industries and universities.
- 4) The candidate should have sufficient communication skills in both English and Japanese.

## 9. Deadline for receipt:

August 31<sup>st</sup>, 2022. (due NLT)

## 10. Documents for applications

- 1) Curriculum vitae with a recent photograph of the face, describing present address, phone number, e-mail address, academic career (including the title of doctoral dissertation), research career, professional career and others.
- 2) List of research activities, including original scientific papers, book chapters, other publications, presentations in scientific meetings, awards and others. Note; names of the co-authors in individual papers should be indicated in appearance order.
- 3) Offprints or hard copies of five major papers
- 4) Details of research experiences (two A4-size pages)
- 5) Aspirations for education and research
- 6) List of research support (duration, name of grant, title of education/research, and amount of money should be included.)
- 7) Name and contact information of one reference person

★For the above 1), 2), 5), 6), please use the MS word format of curriculum vitae located at [https://www.se.kanazawa-u.ac.jp/en/researchers/infiniti\\_ku\\_curriculum\\_vitae.doc](https://www.se.kanazawa-u.ac.jp/en/researchers/infiniti_ku_curriculum_vitae.doc)

## 11. Starting date:

January 1<sup>st</sup>, 2023 or any early possible date afterwards.

## 12. Selection process:

After reviewing the submitted documents, shortlisted candidates will be requested to come to Kanazawa University for presentation and interview. In that case, travel expenses (including overseas travel from a foreign country to Japan) will not be covered.

## 13. Postal address:

Prof. Takahiro KIWATA, Chief of Faculty of Mechanical Engineering,  
Institute of Science and Engineering,  
Kanazawa University, Kakuma-machi, Kanazawa 920-1192, Japan

## 14. Contact person:

Prof. Akio KODAMA, Leader, Carbon Recycling and Energy Processes Research Unit,  
Future Society Creation Research Core, Institute for Frontier Science Initiative, Kanazawa University  
Tel: +81 76 264 6472, E-mail: [akodama@se.kanazawa-u.ac.jp](mailto:akodama@se.kanazawa-u.ac.jp)

## 15. Additional information:

- 1) All of the documents should be sent to the postal address provided above, the submitted documents will not be returned.
- 2) The website below gives information about employment regulation.  
<http://www.kanazawa-u.ac.jp/university/administration/regulation/rules> (in Japanese)
- 3) Kanazawa University supports applicants from female scholars and promotes the co-activities of male and female scholars.  
<http://cdl.w3.kanazawa-u.ac.jp/index.html> (in Japanese)
- 4) Kanazawa University also promotes the courses delivered in English under the internationalization policy.  
<http://sgu.adm.kanazawa-u.ac.jp/en/kusgu/project.html>