

Announcement of Faculty Position for Female
Institute for Frontier Science Initiative, Kanazawa University

1. Position:

Tenure Track (TT) Assistant Professor (Female)

2. Affiliation:

Carbon Recycling and Energy Processes Research Unit, Green Innovation Research Core,
Institute for Frontier Science Initiative, Kanazawa University <https://infiniti.adm.kanazawa-u.ac.jp/en/>

3. Field of specification:

The Carbon Recycling and Energy Processes Research Unit (<https://infiniti.adm.kanazawa-u.ac.jp/en/core/mirai06.php>) aims to contribute to the early realization of carbon neutrality through the development of high-efficiency carbon capture processes for ambient air and flue gases, as well as technologies for carbon recycling. The successful candidate will serve as a young principal investigator and is expected to play a central role in promoting interdisciplinary research on carbon recycling and/or efficient energy utilization within the Unit. Applicants should have an academic background in thermal fluid engineering, energy engineering, process engineering, separation engineering, or a related field aligned with the Unit's mission.

4. Education:

- 1) School of Mechanical Engineering, College of Science and Engineering, Kanazawa University
- 2) Division of Transdisciplinary Sciences (Master's Program), Graduate School of Frontier Science Initiative, Kanazawa University
- 3) Division of Mechanical Science and Engineering (Master's Program), Graduate School of Natural Science and Technology, Kanazawa University

5. Subject responsible for:

During the tenure-track period, the successful candidate will be responsible for teaching one or two assigned courses or laboratory/experimental classes drawn from general education subjects and specialized subjects in mechanical engineering (such as design and drafting, or laboratory exercises). The candidate may also be assigned to teach courses in English.

6. Employment status:

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

Based on the result of intramural examination on academic achievement in research and education, he/she may have opportunity for the promotion to tenure associate professorship or the appointment of tenure assistant professor, after the expiration of one's term of office.

If an extension of the tenure-track period (up to a maximum of three years) is approved as part of the tenure review, a subsequent evaluation will be conducted in the final year of the extended period.

* 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 is sufficiently achieved.
- (3) Sufficient competitive research funding is obtained.
- (4) Educational achievement for students (research guidance and lecture) is outstanding.

7. Treatment:

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

8. Compensation:

Annual salary system is applied.

9. Qualification requirements:

- 1) The candidate should be a female researcher who holds a doctoral degree by the time when the appointment begins.
- 2) The candidate should have an excellent research record in thermal fluid engineering, energy engineering, process engineering, separation engineering, or a related field aligned with the mission of the Carbon Recycling and Energy Processes Research Unit.
- 3) The candidate should have enthusiasm for education and research, and take a progressive approach to collaboration with industries and universities.
- 4) It is desirable for candidates to possess sufficient communication skills in both Japanese and English.
- 5) The candidate should carry out various duties within the university in cooperation with faculty and staff.

*Under Article 8 of the Equal Employment Opportunity Law (Special Provisions of Measures Pertaining to Women Workers), in order to actively improve our considerably low percentage of women researchers, applicants are limited to female researchers.

10. Arrival date:

March 1st, 2027, or any early possible date afterwards.

11. 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) Research activities, education activities, and conference and social activities.
- (4) List of research support (duration, name of grant, title of education/research, and amount of money should be included.)
- (5) Aspirations for education and research (up to one page of A4 paper)
- (6) Summary of your research and educational activities to date. (up to one page of A4 paper)
- (7) Electronic copies of reprints of major publications (approximately five papers)
- (8) Name and contact information of two reference persons

★ For the above (1) – (5), please use the MS word format (ku_curriculum_vitae_202111.doc) located at https://www.se.kanazawa-u.ac.jp/wp-content/uploads/2022/10/ku_curriculum_vitae_202111.doc. Use separate sheets for other item (6) – (8) with free format. Submit all the above documents in Word or PDF files.

★ Submit all the above documents by e-mail.

12. Deadline for application:

September 30th (Wed.), 2026 (due NLT) by 5:00 p.m. Japan Standard Time.

13. Address:

All the materials for the application should be sent as Word or PDF files to:

Prof. SHIMOKAWA, Tomotsugu, Chair of the Faculty of Mechanical Engineering,
Institute of Science and Engineering, Kanazawa University
E-mail: simokawa@se.kanazawa-u.ac.jp

- * All the documents should be sent with e-mail subject “Application to Faculty Position on Carbon Recycling and Energy Processes Research Unit”.
- * The total amount of data must be limited to 10 MB. If it exceeds this amount, please use a file uploader. If you use uploader, please provide its URL.
- * After receiving the file(s) by e-mail, we will send you a receipt notification by e-mail. If there is no notification of reception within 2 days, the reception has not been completed. Please send file(s) again. Application materials will be disposed of after the selection process is completed.

14. Selection process:

After the submitted reviewing 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. Online presentation and interview may be conducted only for overseas applicants. Applicants will be notified directly of the results of the selection process and interviews.

15. Contact person:

Prof. KODAMA, Akio, Leader, Carbon Recycling and Energy Processes Research Unit,
Green Innovation Research Core, Institute for Frontier Science Initiative, Kanazawa University
Tel: +81 76 264 6472, E-mail: akodama@se.kanazawa-u.ac.jp

16. Additional information:

- 1) The website below gives information about employment regulations.
<https://www.kanazawa-u.ac.jp/university/administration/regulation/rules> (in Japanese)
- 2) Kanazawa University promotes the courses delivered in English under the internationalization policy.
<https://www.kanazawa-u.ac.jp/sgu/en/kusgu/project.html>
- 3) Kanazawa University promotes diversity, equity, and inclusion (DEI) based on the Basic Act for a Gender-Equal Society and the "Kanazawa University Diversity Promotion Principles." We welcome applications from female researchers and international researchers for our open faculty positions. For details,
<https://ipdi.w3.kanazawa-u.ac.jp/en/>
- 4) Nobody might be selected in the case that the selection committee cannot find a person suited for the position.