

Announcement of Faculty Position

Advanced Manufacturing Technology Institute, Kanazawa University

Tenure Track (TT) Assistant Professor (Application deadline: August 31st, 2023)

1. Position:

Tenure Track (TT) Assistant Professor

2. Employment status:

A full-time TT assistant professor (non-tenured, in principle, 5-year term)

* 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.

3. Affiliation:

Advanced Manufacturing Technology Institute, Kanazawa University

<https://amti.w3.kanazawa-u.ac.jp/about/manufacture/>

4. Field of specification:

Chemical Engineering or Process Engineering. The candidate should be able to conduct research activities on science and social implementation such as the elucidation of transport phenomenon, a model construction, process control system, etc. using a multi scale simulation in the fields related to the industrial manufacturing such as a precision coating process.

After being hired, the candidate becomes a member of the Research Field of Design Engineering in the Advanced Manufacturing Technology Institute, and is expected to promote innovative design and manufacturing technologies such as digital twins that utilize simulation under the framework of industry-academia collaboration in cooperation with faculty members of the Advanced Manufacturing Technology Institute and the Chemical and Mechanical Process Engineering Laboratory.

5. Teaching responsibility:

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

6. Subject responsible for:

Lecture and experiment on subjects related to the above specialized fields in undergraduate and graduate schools.

7. Compensation:

Annual salary system is applied.

8. Treatment:

It is planned to provide the TT assistant professor with a start-up research fund of

approximately 800,000JPY in the first year.

9. Qualification requirements:

- (1) The candidate should be a researcher with a doctoral degree.
- (2) The candidate must have outstanding research records in the area of Chemical Engineering or Process Engineering.
- (3) The candidate must be able to teach classes in Japanese and English for undergraduate students and do some administrative work in Japanese and English as a faculty member. Therefore, the candidate is expected to have a high level of Japanese and English language communication skills.

10. Arrival date :

January 1st, 2024 or any early possible date afterwards

11. Documents for application:

Application materials (written in Japanese or English on A4 size paper) should include the following:

- (1) Curriculum vitae, including a photo and contact information (phone number, e-mail address).
- (2) Research performance. (Research papers, proceedings of international conference, keynote lectures, published works, reports, patent, etc.)
- (3) Research activities, education activities, and conference and social activities.
- (4) Research grants acquired.
- (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) Hard copies of the 5 most important papers.
- (8) One referee. (Name, affiliation, E-mail address and phone number)

For the above (1) ~ (5), please use the MS word format located at https://amti.w3.kanazawa-u.ac.jp/curriculum_vitae_202205_amti_en/

12. Deadline for application:

August 31st, 2023 (no later than this due date)

13. Selection process:

Candidates who pass document screening will be interviewed in the selection process. (The applicants will be responsible for any travel expenses.)

14. Postal address:

Documents should be sent by registered mail/courier marked with “Application to TT assistant professor on Advanced Manufacturing Technology Institute” (written in red) on the envelop to

Professor Toshiyasu Kinari,
Advanced Manufacturing Technology Institute,
Kanazawa University, Kanazawa 920-1192, Japan

15. Contact person:

Professor Kentaro Taki,
Institute of Science and Engineering, Kanazawa University

E-mail: taki@se.kanazawa-u.ac.jp

Phone: +81 (0)76 264 6257

or

Professor Jiro Sakamoto,

Advanced Manufacturing Technology Institute, Kanazawa University

E-mail: sakamoto@se.kanazawa-u.ac.jp

Phone: +81 (0)76 234-4667

16. Additional information:

- (1) 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 promotes courses delivered in English under the internationalization policy.
<https://sgu.adm.kanazawa-u.ac.jp/en/kusgu/project.html>
- (4) Kanazawa University also promotes the development of diversity in the research and education environment.
<https://ipdi.w3.kanazawa-u.ac.jp/en/>
- (5) The Advanced Manufacturing Technology Institute welcomes applications from female researchers in accordance with the purport of the Basic Act for Gender Equal Society.