

Announcement of Faculty Position for
School of Mechanical Engineering
Institute of Science and Engineering, Kanazawa University

1. Position:

Tenure Track (TT) Assistant Professor

2. Affiliation:

Faculty of Mechanical Engineering, College of Science and Engineering, Kanazawa University
<https://www.se.kanazawa-u.ac.jp/en/mechanic>

3. Field of specification:

A candidate specializing in Mechanics of Materials or Solid Mechanics, with the ability to actively promote research in computational mechanics through the application of mathematical modeling and numerical analysis. After appointment, the successful candidate will join the Advanced Materials Group in the Faculty of Mechanical Engineering and collaborate with faculty members in the Computational Mechanics of Materials Laboratory. The candidate is expected to investigate the relationships between material microstructures and mechanical properties through mathematical analysis and simulation techniques (e.g., first-principles calculations, molecular dynamics, discrete dislocation dynamics, phase-field methods, and crystal plasticity finite element methods), and to pursue research aimed at establishing a new mechanics framework that enables value creation in next-generation materials.

4. Education:

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

5. Subject responsible for:

- 1) Undergraduate course: Subjects related to Mechanical Engineering such as Mechanics of Materials, Engineering Design and Drawing, Vibration Engineering, Mechanical Engineering Laboratory, Seminar on Mechanical Engineering and General Education.
- 2) Graduate course: Subjects related to the above research field.

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 financial research support is about ¥800,000 at the first year.

8. Compensation:

Annual salary system is applied.

9. Qualification requirements:

- 1) The candidate should be a researcher who holds a doctoral degree by the time when the appointment begins.
- 2) The candidate should have excellent research achievements in the field of Mechanics of Materials, utilizing mathematical modeling and computational analysis.
- 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.

9. Arrival date:

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

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) 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.

11. Deadline for application:

October 16th (Fri.), 2026 (due NLT).

12. 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 Computational Mechanics of Materials”.

* 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.

13. 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.

14. Contact person:

Prof. SHIMOKAWA, Tomotsugu
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Kanazawa University, Kakuma-machi, Kanazawa 920-1192, Japan

15. 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.