

Announcement of Faculty Position
Theoretical and Computational Science Group
Nanomaterials Research Institute, Kanazawa University

Theoretical and Computational Science Group invites applications for a full-time position. We receive applications for the assistant professor of materials science, especially in the field of the development and application of first-principles band structure calculations.

1. Position:

Tenure Track Assistant Professor

2. Affiliation:

Theoretical and Computational Science Group, Nanomaterials Research Institute, Kanazawa University

3. Field of specification:

The main research objective is to develop, release and apply methods for first-principles calculations, especially band structure calculations related to materials informatics and measurement informatics. Tenure-track assistant professor is required to promote research in close collaboration with members of the Nanomaterials Research Institute and members of the Faculty of Mathematics and Physics. In addition, English communication skills are required to carry out joint research and public relations activities for research achievements internationally.

4. School and Division (Teaching responsibility):

- 1) Liberal Arts and Sciences, Kanazawa University
- 2) School of Mathematics and Physics, College of Science and Engineering, Kanazawa University
- 3) Division of Mathematical and Physical Sciences (Master's Program), Graduate School of Natural Science and Technology, Kanazawa University

5. Subject responsible for:

Lecture and experiment on subjects associated with computational science and physics both for undergraduate course and graduate course

6. Employment status:

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

Based on the results of an internal review by Kanazawa University concerning research and educational achievements, the promotion to tenure associate professorship or the appointment of tenure assistant professor is possible. In the internal review the extension of the tenure track period is approved (up to 3 years), the review 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) Contributions to interdisciplinary research between groups of the Institute are made.
- (4) Sufficient competitive research funding is obtained.
- (5) Educational achievement for students (research guidance and lecture) is outstanding.

7. Compensation:

Annual salary system is applied.

8. Qualification requirements:

- 1) The candidate should be cooperative and highly motivated to perform research activities with faculty and staff members in the Nanomaterials Research Institute.
- 2) The candidate should be a researcher with a doctoral degree, preferably within approximately five years of obtaining a doctoral degree, and outstanding research records in the field of research mentioned above.
- 3) The candidate should have enthusiasm for education and research and can actively collaborate with industries and universities.

9. Start of employment:

An appointee is expected on duty on April 1st, 2024 or any early possible date afterwards

10. Documents for application

- 1) Curriculum vitae.
- 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) Offprints or hard copies of three major papers.
- 7) Summary of your research and educational activities to date. Including the status of the development and release of band structure calculation codes is indispensable. (up to one page of A4 paper)
- 8) Two referees. (Name, affiliation, E-mail address, and phone number)

★For the above 1)~5), please use the MS Word format located at

http://nanomari.w3.kanazawa-u.ac.jp/wp/wp-content/uploads/2022/06/curriculum_vitae_202205_en_NanoMaRi-2.doc

11. Deadline for application:

August 18th, 2023 (due NLT)

12. Selection process:

After reviewing the submitted documents, shortlisted candidates will be requested to give presentations and take interviews. In that case, travel expenses will not be covered.

13. Postal address:

Documents should be sent by registered mail/courier marked with “Application Enclosed (Tenure Track Assistant Professor)” on the envelope to

Prof. Motohiro MIZUNO, Director General, Nanomaterials Research Institute,
Kanazawa University, Kakuma-machi, Kanazawa 920-1192, Japan

14. Contact person:

Prof. Fumiyuki ISHII

E-mail: ishii@cphys.s.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.
<https://www.kanazawa-u.ac.jp/university/administration/regulation/rules> (in Japanese)
- 3) Kanazawa University also promotes the courses delivered in English under the internationalization policy.
<https://sgu.adm.kanazawa-u.ac.jp/en/kusgu/project.html>
- 4) Kanazawa University promotes the development of diversity in the research and education environment.
<https://ipdi.w3.kanazawa-u.ac.jp/index.html> (in Japanese)
- 5) The Nanomaterials Research Institute welcomes applications from female researchers in accordance with the purport of the Basic Act for Gender Equal Society.