

ASSOCIATE PROFESSOR OR LECTURER POSITION IN MECHANICAL ENGINEERING

Information for Application

1. Number of positions available
Tenure-track Associate Professor or Tenure-track Lecturer, One
2. Contract term
Five years
3. Affiliation
Department of Mechanical Engineering, Graduate School of Sciences and Technology for Innovation,
Yamaguchi University
4. Areas of research
Bio-Material and Strength of Material and/or Bio-Mechanics
5. Starting date
April 1, 2024
6. Job details
 - 1) Actively conducting research activities
 - 2) Producing research outputs (e.g., publication in peer-reviewed journals and/or patents)
 - 3) Disseminating research outputs to society, including presenting results at international conferences
 - 4) Actively acquiring research grants and external funds
 - 5) Giving lectures and research supervision to undergraduate and graduate students in their researches
 - 6) Being involved in other duties as considered necessary by the department
7. Educational activities
 - 1) Lectures and exercises in Mechanics of Materials
 - 2) Lectures in Mechanics of Bio-materials
 - 3) General education
8. Qualifications
Applicants must satisfy all of the following requirements.
 - 1) Applicants should hold a Ph.D. that was acquired within 10 years (*1) or be expected to be acquired by the time of hiring, and should be under 40 years of age (*2) as of April 1, 2024.
 - 2) The hired applicant should apply for the "HIRAKU-Global Program Selected Teachers" recruited by the consortium of "World-Class Researcher Development Through Regional Collaboration"–(hereinafter referred to as "HIRAKU-Global") and receive a selection.
HIRAKU-Global program overview : <https://www.hiroshima-u.ac.jp/hiraku-g>
 - 3) Applicants should have research achievements on Bio-Material and/or Bio-Mechanics and should be able to promote cooperative research with reserchers in the fields of medicine and veterinary medicine.
 - 4) Applicants should be able to lecture and provide research supervision to undergraduate and graduate students.
 - 5) Applicants should be enthusiastic about international education and research activities.

- 6) Applicants should have language skills necessary for education and research and international exchange.
- 7) Applicants should be able to communicate in Japanese or English.

If the hired applicant is unable to communicate in Japanese, by the end of the appointment, he/she has to improve his/her Japanese skill enable to lecture and provide research supervision to undergraduate and graduate students.

- ※1 Applicants who took maternity and/or childcare leaves after they acquired their Ph.D. degrees, are exempt from such time constraints.
- ※2 Since this project is supported by Main indicators for 6th Science and Technology Basic Plan under Cabinet Office, these age restrictions are subject to exceptional treatment by the Ordinance for Enforcement of the “Koyou taisaku” Act 1-3(1-(3-4)).

9. Compensation

Salary, allowances and benefits will be provided in accordance with Yamaguchi University regulations. The annual salary system will be applied.

10. Research fund

- 1) As a start-up fund, 5 million yen for the period of five years is distributed.

The amount of distribution of each year is decided based on the intention of the tenure-track faculty member.

- 2) When you will be decided to be a HIRAKU-Global program selected faculty member, the following expenses will be distributed in addition to the startup funds above.
 - Research infrastructure expenses of 1 million yen each in the first and second years.
 - The travel and living expenses, etc. for the joint research or research exchange at overseas institutions are 500,000 yen in the first year, 1 million yen in the second year, and 500,000 yen in the third year. (the year-on-year allocation amount can be adjusted)

11. Evaluation of tenured position's assignment

Intermediate evaluation will be made in the 3rd year and final evaluation by 6 months prior to the end of the appointment, respectively based on research and teaching performance. The associate professor or lecturer who passes his/her tenure reviews with Yamaguchi University will receive a tenured position (associate professor or lecturer), which is on a permanent basis with a mandatory retirement age.

12. Application documents

- 1) Curriculum vitae
Face photo, educational background (after graduating from high school), professional background, academic society, etc., and contact information (that can be contacted directly)
- 2) Copies of Ph.D. thesis and diploma
If the applicants are expected to obtain a Ph.D., submit a written opinion obtained from their supervisor. After obtention of the Ph.D., submit a copy of the Ph.D. thesis and a copy of the diploma.
- 3) List of research activities (original papers, conference proceedings, books, reviews, presentations, invited lectures, patents, awards). Divide papers by peer review and mark the papers of the corresponding author with ⊙. All co-authors should be included.
- 4) Major papers (up to three) and the overview (up to one page on A4 paper)
- 5) Summary of past research activities (up to one page on A4 paper)
- 6) A future research plan at Yamaguchi University (up to one page on A4 paper)
- 7) Educational aspirations (one page on A4 paper)
- 8) Two references who can be inquired about the applicant's achievements (names, titles, affiliations, and

contact details)

13. Application period

5 p.m. on December 6, 2023 Deadline for receipt (Japan Standard Time)

14. Application method

All documents should be submitted in PDF format to the e-mail address of submission destination. The total file size must not exceed 10 MB. Larger documents may be submitted in separate files numbered as follows: 1_3, 2_3, 3_3, etc. The chairperson will send a confirmation of receipt to the applicant. It is strongly advisable to make sure this confirmation message arrives after submitting the application.

15. Selection method

The results of the first screening will be announced by e-mail to applicants. There is a possibility that an interview will also be conducted after the first screening. Invited candidates must cover the full travel expenses to attend the presentation.

16. Submission destination : Shinsuke Mochizuki, Chairperson

shinsuke@yamaguchi-u.ac.jp

Department of Mechanical Engineering, Faculty of Engineering, Graduate School of Sciences and Technology for Innovation, Yamaguchi University

17. Contact person: Junji Ohgi, Professor

ohgi@yamaguchi-u.ac.jp

Department of Mechanical Engineering, Faculty of Engineering, Graduate School of Sciences and Technology for Innovation, Yamaguchi University

18. Additional information

- 1) Private information related to the application is protected by the Personal Information Protection Law.
- 2) Yamaguchi University promotes gender equality.
In accordance with the provisions of Article 8 of the Equal Employment Opportunity Act, we proactively employ female academic staff/researchers as a measure to improve the ratio of female researchers.
- 3) Yamaguchi University actively supports achieving a balance between work and life events (such as child care or nursing care needs). For example, we offer financial assistance in the event of using day-care services for sick children, and also have systems such as a research assistant program, a mentor system, a support system for returning to research activities, and a nursing care support system.
<https://ds0n.cc.yamaguchi-u.ac.jp/~diversity/>

Yamaguchi University Supports Work-Life Balance!

At Yamaguchi University, we actively promote diversity among university members (students, and academic and other staff). At the same time, we are committed to maintaining a work environment where everyone can demonstrate their individuality and abilities to the full. In order to achieve this, the Diversity Promotion Office is proceeding with various initiatives toward achieving work-life balance, such as promoting gender balance. Please take a look at the university website for more information.

<https://ds0n.cc.yamaguchi-u.ac.jp/~diversity/>

Support Regarding Research

Research Assistant Program

This system enables academic staff who experience a life event to appoint undergraduate and graduate students as research assistants. It is available for female academic staff at Yamaguchi University, and male academic staff at Yamaguchi University whose spouses are researchers at universities, etc.

Support System for Returning to Research Activities

This system supports academic staff at Yamaguchi University who returned to work less than one year ago after taking time off because of a life event, by providing partial assistance with the expenses required for research activities. It is available for female academic staff, and male academic staff whose spouses are researchers at universities, etc.

Female Researcher Mentor System

The Mentor System is mainly intended for use by newly appointed female academic staff. It matches them up with academic staff (mentors) with whom they can discuss various doubts and concerns they may have regarding education, research, and university life.

International Student Supporter System

The goal of this system is to support research activities through language skills. We can introduce researchers to international students whose native language is English, Chinese, or Korean, and appoint the students to carry out support work for research activities using their native language.

Support Regarding Child Care and Nursing Care

Day-Care for Schoolchildren: Yama-Me Classes (Yoshida Campus)

During elementary schools' summer, winter, and spring vacations, we run "Yama-Me classes" to provide faculty members and students with an on-campus day-care service for their children while they are off school. We also offer a wide array of programs led by academic staff and students.

Tanpopo Nursery School (Kogushi Campus)

We provide an on-campus nursery school for staff who belong to the Medical School and affiliated hospitals, so they can work with peace of mind.

Basic day-care: 90 children
Day-care for post-illness children: 3 children

Corporate-Led Day-Care Centers

We have made day-care services available by signing service contracts with some local corporate-led day-care facilities. (Six facilities are available.)

Financial Assistance System for Using Day-Care Facilities, etc. for Sick Children

Under this system, if faculty members' children use day-care facilities for sick children, partial assistance will be provided to help with the fees. (The system is available for faculty members who are enrolled in mutual aid or social insurance. If they have a spouse, they are eligible if their spouse is currently employed.) You need to register beforehand to use the system.

Lending On-Campus Nursery Spaces

We have on-campus child care spaces that we lend to faculty members to use for day-care for their children. Users arrange the caregivers at their own expense. The Diversity Promotion Office can also introduce caregivers.

Long-Distance Nursing Care Support

Services are available through a support group we have signed a corporate contract with.

[Counseling]

We offer counseling on everything related to nursing care by email, over the phone, or face-to-face.

[Agency Services]

Specialist staff offer support such as looking after parents who live far away.

Counseling System

Two counselors who specialize in clinical psychology is available for Yamaguchi University faculty members to talk to about anything, including home life. You can also use the system just to feel refreshed.

