

Niigata University ‘Swing-by’ Program for Fostering Young Faculty Members

(Recruitment and Training Program for Young Faculty Members)

Call for applications for Assistant Professors in Institute of Science and Technology
(Production Engineering or Measurement Engineering), Niigata University

Niigata University is implementing the "Niigata University Young Faculty Swing-by Program," a program for the collective recruitment and training of young faculty members, targeting outstanding young researchers who are active in a variety of fields in Japan and overseas. This program is designed to foster researchers who are willing to conduct cross-disciplinary research at the university while deepening their research in their respective fields of specialization.

In the Young Faculty Swing-by Program, we will recruit young faculty members from across disciplines. Recruits will be selected through a first round of selection based on their expertise in their respective fields, followed by a second round of selection based on comprehensive perspectives by the executive officers. The selected faculty members will be affiliated with the academic departments, etc., according to their fields of expertise, and will concurrently serve in the Institute for Research Administration, which is in charge of promoting research at Niigata University, and will be engaged in activities to bring forth the seeds of new interdisciplinary research that can become the new flagship of Niigata University.

Research Field for Recruitment

“Information Ethics”, “Folklore Studies·Museum Studies”, “Economic Law”, “Theoretical Economics (Behavioral Economics)”, “Food Analysis”, “Intelligent Information Processing, Date Science”, “Environmental Science of Regional Water Circulation”, “Quantitative Biology”, “Energy Conversion Science, Artificial Photosynthesis, Photocatalyst”, “Soil Mechanics and Related Engineering Fields”, “Production Engineering or Measurement Engineering”, “International Infectious Diseases”, “Dentistry; Interdisciplinary Dentistry”, “Department of Mental Development and Medicine”, “Feeding Biomechanics and Biomedical Engineering”, “Bioorganic Chemistry, Microbiology, Molecular Biology, Date Science”, “Department of Physiology”, “Research on Advanced Brain Pathology Analysis”

Number of Positions

About 15

As a part of this recruitment, we are recruiting faculty members in charge of the Materials Engineering, Mechanics of Materials, Material Processing, or Measurement Engineering field.

1. Job Type

One Assistant Professor (Permanent Faculty Position)

2. Expected Date of Joining

April 1, 2023

3. Affiliation

Faculty of Engineering, and Graduate School of Science and Technology
Selected candidate is required to carry out teaching and research in the Faculty of Engineering, and Graduate School of Science and Technology, and, will be also appointed to work concurrently at the Institute for Research Administration. As a general rule, you will be working as a faculty member employed in the swing-by program concurrently with the Institute for Research Administration for three years from the time of hiring.

4. Job Description

[Affiliation] Faculty of Engineering, and Graduate School of Science and Technology
Selected candidate is responsible for either of

(1) Mechanical Engineering Program, Department of Engineering, Faculty of Engineering
Advanced Mechanical Science and Engineering, Advanced Materials Science and Technology, Graduate School of Science and Technology

(2) Electronics, Information and Communication Engineering Program, Department of Engineering, Faculty of Engineering
Electrical and Electronic Engineering, Electrical and Information Engineering, Graduate School of Science and Technology

[Job Description]

Enthusiastically engage in graduate school and undergraduate education and research in material processing/bonding technology, production engineering, biological optical measurement, and applied optical measurement technology in any of the fields related to materials engineering, mechanics of materials, material processing, and measurement engineering.

Also, working on a joint project between Niigata University and companies in Tsubame-sanjo area, Niigata prefecture, and promoting industry-academia collaboration in the region.

Enthusiastically engage in recurrent education for local communities through the education and research related to medical-engineering collaboration, such as a development of medical equipment and devices based on materials engineering, construction of bioinstrumentation and medical diagnostic systems that apply optical measurement technology.

In principle, he/she will participate in the swing-by program as a part-time faculty member of the Organization for Research Management for three years after arriving at the post.

[Research Field]

Materials engineering, Mechanics of materials, Material processing, or Measurement engineering.

[Remarks Column for Assistant Professor]

He/she works as a member of research group in the first step. However, we expect that he/she becomes dependent researcher as a Principal Investigator.

5. Qualifications

- (1) As a general rule, those who have obtained his/her PhD degree in his/her field of research within the past 10 years. (Including those who are expected to obtain his/her PhD degree by the date of appointment).
- (2) Those who have research performances in any of the fields related to materials engineering, mechanics of materials, material processing, and measurement engineering. Also, those who are able to enthusiastically engage in the lecture, research guidance, and region cooperation in the related research field
- (3) Those who understand the purpose of the Swing-by Program and are willing and able to work on it.
- (4) Those who are able to live in Niigata City or its suburbs, and carry out his/her duty after being hired.

6. Terms of Employment

- (1) Work Location: 8050 Ikarashi 2-no-cho, Nishi-ku, Niigata, Niigata, Japan
- (2) Salary: Annual salary system based on “Regulations for New Annual Salary System for Faculties of Niigata University,” and other benefits as per the University rules and regulations
- (3) Employment Type:
 - Employment time : Discretionary labor system will be applied (deemed working hours: 7 hours and 45 minutes a day)
 - Holidays : Saturdays, Sundays, national holidays, holidays around the end of the year and the beginning of the year, etc.
- (4) Health insurance: Provided by the Ministry of Education, Culture, Sports, Science and Technology Mutual Aid Association, Employment Insurance, Industrial Accident Compensation Insurance
- (5) Working environment: Provision of own personal office and laboratory: Yes

7. Support for Nurturing Young Researchers

In order to take advantage of the Swing-by Program, which is a collective recruitment system that transcends fields, we ask that you concurrently serve at the Institute for Research Administration for the first three years after your appointment and engage in the following activities

- To proactively develop networks across departments and disciplines.
- To conduct interdisciplinary exchange activities utilizing the established network and disseminate the results widely inside and outside the university.

In order to realize the above, the following activities and others are included.

- Planning and management of employer synchronization meetings and interdisciplinary exchange meetings
- At least once a year, exchange of opinions with the president and board members
- Training on teaching methods at universities
- Allocation of start-up research funds from the Swing-by Program

In addition, the University has the following research support systems, which we expect you to make active use of.

- Niigata University equipment sharing system

- Support for obtaining external funds such as ‘Kakenhi’
- Regular interdisciplinary exchange meetings
- Other training for education and research activities

8. Application Documents

Online submission in JREC-IN Portal. If you have difficulty applying online, please send the following documents by mail.

In this call, researchmap will be used to check the list of achievements, acquisition of external funding, and major publications.

- (1) Curriculum Vitae with a photograph of the applicant’s face, including name, date of birth, gender, postal address, telephone number, e-mail address, details of doctoral degree, rewards/punishments, academic background, and professional career. Desired job type (Associate Professor/ Assistant Professor/ Both acceptable) should be shown as a remark in the curriculum vitae.
- (2) A list of academic publications: information on peer-reviewed journal papers (mark * on SCI papers), books and book chapters, other publications (specify clearly whether peer-reviewed or not), list of international conference presentations (specify if it is an invited talk), patents, and awards. Sort and numbering the publications from oldest to newest.
- (3) A list of scientific research funds/grants awarded. Types of funding and funding agency names, research topics, specific roles (e.g., principal investigator or co-investigator), and periods of the funding are required.
- (4) Reprints or copies of significant peer-reviewed journal papers (no more than 3 papers).
- (5) Your future aspirations for education and research if hired by Niigata university (within two A4 pages).
- (6) Contact information including email address of two references, who can independently provide an opinion on your academic achievements, character and conduct.

*You may be required to submit additional documents if necessary.

Please confirm that all the required documents are included in an envelope. Outside the envelope please specify clearly in red ink “Enclosed the application documents for ‘Swing-by’ program for Production Engineering or Measurement Engineering”, and send it to the address shown below by registered post or courier service (in a way which allows you to confirm that your application has been received by us).

*Application documents will not be returned, and handled with strict confidentiality. Your personal information obtained by Niigata University in the process of the recruitment will be properly handled based on “Act on the Protection of Personal Information”, and will not be used for any purpose other than the selection process.

9. Screening and Selection Schedule

- (1) Application Deadline: September 4, 2023. (Must arrive no later than 17:00, JST)
- (2) First screening: September, 2023, Screening of documents and Interview of shortlisted candidates (Onsite/online interview might be conducted).

(3) Notification of the result of the first selection: October, 2023

(4) Schedule for final screening: Mid-Oct. ~ Mid-Nov. plans. 2023, Interview by University President and board members (Online interview might be conducted).

(5) Notification of the result:

Applicants will be notified of the result after the selection process is over.

*All costs relating to the selection process such as travel expenses and accommodation fee must be borne by the applicant.

10. Contact Information:

For any further information, please contact us by e-mail.

(1) Applications should be submitted to:

General Affairs Division, Institute of Science and Technology, Niigata University
Address: 8050 Ikarashi 2-no-cho, Nishi-ku, Niigata, Niigata, Japan
TEL: 025-262-6823
FAX: 025-262-7940
E-Mail: skei-shomu@adm.niigata-u.ac.jp

(2) Applications should be submitted to:

General Affairs Division, Institute of Science and Technology, Niigata University
Address: 8050 Ikarashi 2-no-cho, Nishi-ku, Niigata, Niigata, Japan
TEL: 025-262-6823
FAX: 025-262-7940
E-Mail: skei-shomu@adm.niigata-u.ac.jp

11. Inquiries Regarding the Content of the Work:

Please contact us by e-mail, unless otherwise the matter is urgent.

Faculty of Engineering, Niigata University

(1) Field of Materials engineering, Mechanics of materials, and Material processing

Professor, Koji Matsubara
TEL +81-25-262-7260
E-mail mats@eng.niigata-u.ac.jp

(2) Field of Measurement engineering

Professor, Shogo Muramatsu
TEL: +81-25-262-6746
E-mail shogo@eng.niigata-u.ac.jp

12. Others

*Niigata University has set up the “Center for Diversity, Equity, and Inclusion” in our campus, and is firmly committed to gender balance and supporting physically handicapped researchers (<https://diversity.nu.niigata-u.ac.jp/>).

*Niigata University is promoting hiring of faculty members who have a flexible attitude in today’s global society and to realize the globalization of our campus. We welcome applications from foreigners who can communicate with researchers and students in English.

Japanese communication skill will be an added advantage, but not an essential condition for the application.