

**National University Corporation Tohoku University**  
**Graduate School of Engineering**  
**Call for Applicants**

1. Number of positions and job title: We are seeking one professor or associate professor
2. Affiliation: Laboratory inside the Department of Metallurgy  
(such as Materials Physical Chemistry)
3. Duties: Successful candidates will be involved in both research and education at the graduate and undergraduate levels within the Department of Metallurgy, Materials Science and Materials Processing. The primary responsibilities include the research and education on fundamentals and applications related to metal refining based on physical chemistry and electrochemistry, and material development and material processing using high-temperature melts toward the realization of a carbon-neutral society. In addition, responsibilities include participation in the administrative duties of the department and the school.
4. Required Qualifications and Conditions:
  - Candidates must have a doctoral degree.
  - Candidates must be motivated and enthusiastic about education and research in the field.
  - Candidates must be able to lecture in Japanese and English.
5. The main areas for which the successful candidate will be responsible:
  - At Graduate School level  
Thermodynamics of Smelting & Refining, Materials Electrochemistry, Nonferrous Extractive Metallurgy, Master Course Seminars on Metallurgy, Doctor Course Seminars on Metallurgy, etc.
  - At Undergraduate level  
Physical Chemistry for Materials II, Materials Science and Engineering B, Non-Ferrous Metallurgy, Materials Science and Engineering Laboratories, Seminars, Bachelor Thesis Research, etc.
6. Start Date: On or after April 1, 2026, as early as possible
7. Salary and Benefits
  - (1) Salary: to be determined in accordance with Tohoku University's employment regulations.

(2) Employment status: Full Time

(3) Term of office: Tenured

(4) Hours:

The discretionary labor system for professional work shall apply.

Flexible Work Hours: The standard working hours are 8:30 to 17:15, but the actual working hours are at the discretion of each employee.

(5) Holidays: Saturdays, Sundays, National Holidays, New Year's Holidays (Dec. 29 - Jan. 3)

(6) Insurance:

Admission into the MEXT Mutual Aid Association; provision of unemployment insurance and worker's accident insurance

#### 8. Application materials

- (1) Curriculum vitae
- (2) Doctoral dissertation title
- (3) Summary of research activities to date
- (4) Reprints of five major papers
- (5) List of research achievements (for each of the following items, leave blank if not applicable)
  - a. Academic papers
  - b. Conference Proceedings
  - c. Publications (books)
  - d. Patents (registered, published, and pending)
- (6) List of research funding/grants
- (7) Awards and honors
- (8) Invited lectures
- (9) Educational activities (Lectures taught and Master/Doctor Thesis Supervision)
- (10) Academic societies to which you belong
- (11) Activities in academic societies
- (12) Research activities (international joint research, interdisciplinary research, and other noteworthy activities)
- (13) Social activities (committee member of national or local government, standardization, social implementation of research results, etc.)
- (14) Future research plan (about 2 pages on A4 paper)
- (15) Aspirations for educational activities (about 2 pages on A4 paper)
- (16) Information on two persons who know the applicant well (name, affiliation, position, telephone, and e-mail address)
- (17) Applicant's contact information (name, affiliation, position, telephone, and e-mail address)
- (18) Database URL for the applicant's research achievements (Scopus, KAKEN, etc.)

## 9. Application Deadline

Application documents must arrive by 17:00 (JST) on September 30, 2025

## 10. Address to which applications should be sent

By e-mail to Prof. Izumi MUTO.

Applicants should submit their application, together with the above 18 documents in PDF format, to the following address:

depthhead.material@grp.tohoku.ac.jp

Documents submitted will not be returned.

## 11. Contact Details

Prof. Hongmin ZHU

E-mail Address:

hongmin.zhu.b2@tohoku.ac.jp

Graduate School of Engineering, Tohoku University

## 12. Remarks

- We may ask you to make a presentation during the selection process.
- Tohoku University promotes activities to increase Diversity, Equity and Inclusion (DEI) and encourages people of varied talents from all backgrounds to apply for positions at the university.

Tohoku University's website about the DEI Declaration is here:  
<http://tumug.tohoku.ac.jp/dei/>

- Pursuant to Article 8 of the Act on Securing, Etc. of Equal Opportunity and Treatment between Men and Women in Employment, Tohoku University shall, as a measure for increasing the presence of women among the academic staff, prioritize the hiring of women deemed qualified for each job opening, based on impartial evaluation.
- Tohoku University has the largest on-campus childcare system of all Japanese national universities.

This network comprises three nurseries: Kawauchi Keyaki Nursery school (capacity: 22) and Aobayama Midori Nursery school (116), both open to all university employees, as well as Hoshinoko Nursery school (120), which is open to employees working on Seiryō Campus. In addition, Tohoku University Hospital runs a childcare room for mildly ill and convalescent children which is available to all university employees.

- See the following website for information on these and other programs that Tohoku University runs to assist work-life balance, to support researchers, and to advance gender equality, including measures to promote childcare leave among male employees.

Tohoku University Center for Gender Equality Promotion website:

<http://www.tumug.tohoku.ac.jp/>

Human Resources and Planning Department website:

<https://c.bureau.tohoku.ac.jp/jinji-top/external/a-4-kosodate/>