

Tohoku University, Graduate School of Engineering,  
Department of Communications Engineering,  
Micro-photonics Field, Faculty Recruitment

1. Number of positions, Job title, and Division

- One position open for a professor
- Tohoku University, Graduate School of Engineering, Department of Communications Engineering, Micro-photonics Field

2. Specialized field

High-speed and reliable data transmission is indispensable for the development of an advanced digital society, and the establishment of innovative optical communication engineering technology is urgently needed in terms of security and green technology. For this purpose, it is essential to establish a highly functional photonics infrastructure that utilizes micro-photonics technology to control and manipulate light on a microscopic scale. Education and research in this field include the establishment of optical integrated circuits and optical waveguides that enable high-speed and high-density data transmission, optical devices with advanced functions, and optical quantum communication technology that dramatically improves communication security.

3. Duties

Successful candidates will belong to Graduate School of Engineering and will be engaged in education and research related to the above-mentioned. Also, as for student education, successful candidates will be in charge of classes in Department of Electrical, Information and Physics Engineering, School of Engineering.

4. Required qualifications and conditions

Candidates must have a doctoral degree upon arrival at the post and distinguished achievement in the above-mentioned specialized field. In addition, candidates are not asked the nationality, but can have mutual understanding using Japanese and English precisely and have the ability that can instruct students.

5. Employment status

Full time (tenure position)

6. Starting date

April 1st, 2025 or later (as early as possible)

## 7. Applicant materials

- (1) Curriculum Vitae (with a photo attached).
- (2) Summary of research activities (should be around 1000 words; quote the number of the list of research achievements of (3) in the sentence)
- (3) List of research achievements (Peer-reviewed research papers, international conference papers, invited presentations(domestic/foreign), reviews/explanations, books, patents, awards, educational activities, activity status in academia and society, competitive funding status (specify a representative or a member) and so on.)
- (4) Reprints or copies of five representative peer-reviewed original research papers, and their abstracts (around 150 words each).
- (5) Aspirations for education and research (should be around 1,000 words).
- (6) Names and contact information (institution, position title, telephone number, and email address) of two persons who may comment on the applicant.

※The applicants should submit their application materials by registered e-mail to the following address. Applicant documents (or All applicant materials) will not be returned.

- Send an e-mail with a title as “Faculty Applicant Document\_Micro-photonics\_Applicant Name”.
- Each file is converted into PDF format basically, and then please use the name that added numbering to the top of each file name so that each file forms a line in turn. Additionally, please use only an alphanumeric character for a file name to prevent garbled characters.
- Please send it to the following e-mail address after gathering them up as a zip file. In case that the upper limit of the file size exceeds 10 MB, please contact to the following contact person as you will be informed where to upload the file.
- The receipt confirmation e-mail of the document will be sent within a few days. If it does not arrive even after a while, please contact to the following contact person.

## 8. Applicant deadline

July 31st, 2024

## 9. Address and contact

- Contact for inquiries regarding recruitment contents, and submission of applicant documents (e-mail)

Professor Shinichiro Omachi

TEL: +81-22-795-7087

E-mail : shinichiro.omachi.b5(at)tohoku.ac.jp ( Change from (at) to @ as e-mail will be sent)

#### 10. Remarks

- (1) Candidates screening is made based on the applicant materials and a further interview may be made for the candidates, if necessary. An interview is carried out in on-line or a meeting. Additionally, when an interview in a meeting is carried out in Tohoku University, the necessary transportation expenses assume it the burden on the candidate (the applicant).
- (2) • Tohoku University promotes gender equality and welcomes proactive application for job positions by diverse talent.

Tohoku University Declaration of Diversity, Equity and Inclusion (DEI):

<https://dei.tohoku.ac.jp/vision/about/>

- 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 the impartial evaluation.
- ”Tohoku University Live as Who You Are Guidelines for Gender and Sexual Diversity” are designed to provide specific examples and responses in order to create an environment in which all students, faculty, and staff respect diverse sexuality in their academic, research, and professional activities.

Tohoku University Center for Diversity, Equality & Inclusion website:

[https://dei.tohoku.ac.jp/vision/consulting/for\\_minority/](https://dei.tohoku.ac.jp/vision/consulting/for_minority/)

- Tohoku University has Kawauchi Keyaki Nursery School (22 children) and Aobayama Midori Nursery School (116 children) available for use by all faculty and staff, and Hoshinoko Nursery School (120 children) available for use by residents of the Seiryō area, making it the largest on-site childcare facility at a national university in Japan. There is also a nursery for children with minor illnesses and children after illnesses in the University Hospital, which is available for use by all university faculty and staff.
- See the following website for information on these and other programs that Tohoku University runs to assist work-life balancing, support researchers, and advance gender equality.

Tohoku University Center for Diversity, Equality & Inclusion website:

[https://dei.tohoku.ac.jp/vision/consulting/for\\_family/](https://dei.tohoku.ac.jp/vision/consulting/for_family/)

Human resources and Planning Department website:

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