

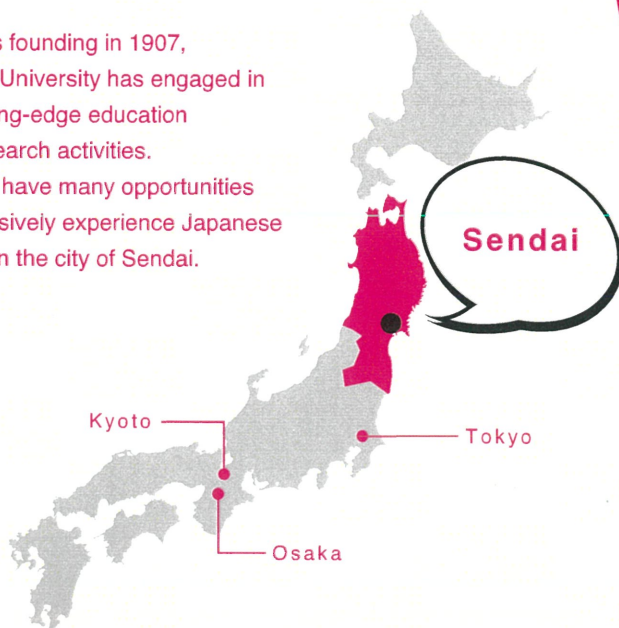
**July 24  
–August 4  
2023**

# TESP-Robotics 2023

Tohoku University Engineering Summer Program

## Tohoku University

Since its founding in 1907, Tohoku University has engaged in the cutting-edge education and research activities. You will have many opportunities to extensively experience Japanese culture in the city of Sendai.



**Seats : 50**

**Application Deadline  
May 7 2023**

- \* Application after the deadline will not be considered
- \* Successful candidates will be contacted by email in around late May



## TESP-Robotics by Prof. Kazuya YOSHIDA (Department of Aerospace Engineering)

TESP-Robotics is a two-week summer program for graduate students providing a series of graduate level lectures and hands-on activities in laboratory. All will be taught in English by experienced professors of the Graduate School of Engineering, Graduate School of Information Sciences, and Graduate School of Biomedical Engineering.

Engineering students of Tohoku University will also support the program.

We welcome young professionals from our partner institutions around the world to take this opportunity to experience an inspiring and challenging summer in Sendai, Japan.



## Core Lectures

11 slots of 90 min. lectures on the following topics:

- Field and Space Robotics
- Rescue Robotics
- Human-Robot Interaction
- Haptic Interface
- Robot Vision
- Medical Robotics
- Molecular-size Robotics
- Biologically Inspired Robotics

Participants are expected to attend all lectures.



## Hands-on Activities

Selective from the following topics:

- Field and Space Robotics
- Human-Robot Interaction
- Haptic Interface
- Robot Vision
- Molecular-size Robotics



## Program Structure

The program offers two-week intensive activities that are characterized by four components:

core lectures, hands-on activities in laboratory, cultural activities such as Kimono dressing & tea ceremony, and a field trip.



## Program Fee 50,000 JPY

Covers accommodation (partially), cultural & social activities, and a field trip.

Participants are responsible for daily meals, local transportation, and airfare.

Tuition and experimental materials fees, and accommodation fee (partially) are supported by Tohoku University.

The program fee should be paid online by credit card. The program fee is nonrefundable.



## Eligibility

- Graduate level students of TESP-Robotics partner institutions
- Fluent in English
- Background knowledge
- Laboratory experience



## Accommodation

Hotels in downtown (twin/triple) will be arranged. Participants will commute to the campus by subway at their own expense.

Check-in: July 23 after 3pm

Check-out: August 5 before 11am



## Travel Insurance

Participants are required to buy a travel insurance in their own country BEFORE coming to Japan. Students will be solely responsible for any accidents that occur while staying in Japan. The insurance must cover accident and medical care expenses.

## Contact

TESP Manager: Ai Funayama (Ms.)

Email: [tesp@grp.tohoku.ac.jp](mailto:tesp@grp.tohoku.ac.jp)

Website: <https://www.ied.eng.tohoku.ac.jp/summer-program>

