



# Tohoku University Engineering Summer Program 2016

- Robotics

- Electrical and Electronic Engineering

July 25th ~ August 5th, 2016

TOHOKU UNIVERSITY,  
CREATING GLOBAL EXCELLENCE

**Tohoku University** was founded in 1907 as the third Imperial University of Japan. Tohoku University continues to offer students a world's top class education, and to succeed in conducting pioneer research. Tohoku University locates in Sendai City, the heart of the east-north area of Japan. The students enjoy the taste of history, Japanese culture, abundant gifts from nature, and a world-class education.

This summer, Graduate School of Engineering will be offering a two-week graduate level summer program focusing on two courses, "Robotics" and "Electrical and Electronic Engineering".

**TESP** is designed to inspire graduate level (MSc and PhD) students or young professionals in the field of Engineering. The program provides a series of lectures and hands-on activities on the advanced topics of Robotics and Electrical and Electronic Engineering. All are taught in English. In addition, the program includes various activities that expose the participants to Japanese culture and enrich their academic experience. The program overall promises students that the summer will be a rich academic and cultural experience and gives them an insight for their academic future and their future as a global citizenship.



## Course:

- *Robotics*
- *Electrical and Electronic Engineering*

-Hands-on, Presentation, and Demonstration

- Robotics core lectures:  
Field and Space Robotics, Rescue Robotics, Human-Robot Interaction, Haptic Interface, Robot Vision, Medical Robotics, Molecular-size Robotics, Biologically Inspired Robotics
- Electrical and Electronic Engineering hands-on activity:  
Design and make a prototype of a smart wireless power transfer system which can generate the solar electric power and transfer the power wirelessly to the electric devices.

## APPLICATION

**Deadline: May 10th, 2016**

**Registration Fee: 15,000JPY**

**FREE!** tuition, activities, accommodation

## Contact Information

Please write the contact details at your university here.