About TOHOKU UNIVERSITY
Since its founding in 1907, Tohoku University has engaged in world’s top
class education and research activities. Sendai city, where Tohoku
University is located, has many cultural sites where you have the chance
to extensively experience Japanese culture.

TESP-SMEC
TESP-SMEC 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.
The program provides cultural activities and a field trip that expose participants to Japanese culture and beautiful historical
sites in the northeastern area of Japan. In addition, SMEC participants will travel to Akita prefecture by Shinkansen (bullet
train) to visit a Metal Recycling Industry, and Japanese Sword Studio in Matsushima (known as Japan’s three most scenic
views). Engineering students of Tohoku University will support the program with these activities. We welcome young
professionals from our partner universities around the world to take this opportunity to experience an inspiring and
challenging summer here in Sendai, Japan.

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 and tea ceremony, and a field trip. This year, participants
also have chance to enjoy a local festival of Sendai city “Tanabata”.
The academic part of Structural Materials Engineering Course is as follows:

➤ Classes
- Phase Diagrams, Plastic Deformation and Dislocation Theory, High-Temperature Materials, Introduction of Bulk Metallic Glasses
- Introduction of Power Processing, etc

➤ Core Lectures
- Alloy Design and Synthesis by Arc Melting
- Spark-Plasma Sintering and 3D Printing
- Microstructure Observation and Analysis by Optical and Electron Microscopy and X-ray Diffractometry
- Vickers Hardness
- Tensile and Compression Tests
ELIGIBILITY & SEATS

- Graduate level students of TESP-SMEC partner institutions
- Fluent in English
- Background knowledge
- 10 seats

APPLICATION PROCEDURES

➢ Students

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<th>Internal Screening</th>
<th>Online Application</th>
<th>Get Confirmation Email</th>
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<tr>
<td>Contact your international office or coordinating professor</td>
<td>Get the online application link from your home institution and upload the required documents</td>
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➢ International Office/Coordinating Professors

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<th>Nomination</th>
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<td>Email TESP organizer the candidate list</td>
<td>Provide the link to only those nominated</td>
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PROGRAM FEE: 80,000 JPY

The fee covers tuition, accommodation, cultural activities, field trip, industrial visit and parties. Participants are responsible for meals, local transportation from hotel to campus and airfare. Transportation fee (bulletin train + bus) and meals for trips and visits are covered by the program fee.

* The program fee should be paid online, and the detailed guidance will be sent to the successful applicants.
* Program fee is nonrefundable.

INSURANCE

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

ACCOMMODATION

Hotel accommodation in downtown will be arranged. Participants will commute to the campus by subway at their own expense.

SCHOLARSHIP OPPORTUNITY

JASSO (Japan Student Services Organization) Scholarship may be awarded to those who meet the requirements. Please inquire with international office staffs at your university.

Scholarship amount: 80,000 JPY

Note: Those who get JASSO scholarship for the program should bear half of the accommodation fee (approx. 35,000 JPY for 13 nights, as of 2017).

Contact Us

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Website:

Youtube: 【SMEC2017】https://youtu.be/P81GFvKC--w

Article 2017: