



TOHOKU
UNIVERSITY

The 13th International Symposium on Water Environment Systems ---with Perspective of Global Safety

**Department of Civil and Environmental Engineering
Graduate School of Engineering
Tohoku University**



GP-RSS

International Joint Graduate Program in Resilience and Safety Studies



SyDE

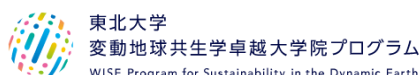
WISE Program for
Sustainability in the
Dynamic Earth

変動地球共生学卓越大学院プログラム

Sponsors



**International Joint Graduate Program in
Resilience and Safety Studies of Tohoku University**
<http://gp-rss.tohoku.ac.jp/>



**WISE Program for Sustainability in the Dynamic
Earth of Tohoku University**
<https://syde.tohoku.ac.jp/>



**Department of Civil and Environmental Engineering
Graduate School of Engineering, Tohoku University**
<http://www.eng.tohoku.ac.jp/>

ORGANIZERS

| | |
|-----------------------|------------------------------------|
| Dr. So KAZAMA | (Professor, Tohoku Univ) |
| Dr. Yu-You LI | (Professor, Tohoku Univ) |
| Dr. Daisuke SANO | (Professor, Tohoku Univ) |
| Dr. Keiko UDO | (Professor, Tohoku Univ) |
| Dr. Kengo KUBOTA | (Associate Professor, Tohoku Univ) |
| Dr. Mohan AMARASIRI | (Associate Professor, Tohoku Univ) |
| Dr. Janaka Bamunawala | (Assistant Professor, Tohoku Univ) |

SECRETARIAT

| | |
|--------------------------|----------------------------------|
| Dr. Yusuke HIRAGA | Assistant Professor, Tohoku Univ |
| Dr. Yu QIN | Assistant Professor, Tohoku Univ |
| Dr. Wakana OISHI | Assistant Professor, Tohoku Univ |
| Juntong HA | DC Student, Tohoku Univ |
| Zhafirah Meuthia Ardhana | DC Student, Tohoku Univ |
| Qingkang ZENG | DC Student, Tohoku Univ |
| Weiyi WANG | DC Student, Tohoku Univ |

Important Dates

30 Sep (TUE), 2025

Submission of Title

15 Oct (WED), 2025

Submission of Abstract

Please insert **[WES2025_name]** in the mail title when you submit the 2-page Abstract (both WORD and PDF files) to secretariats.

Oral presentation: Lecture ×10 min + Q&A ×5 min

Poster presentation: Portrait × A0 size

(All are on-site. Detailed guidance will be released in November.)

Schedule

13 Nov (THU)

9:00~17:00

Fieldwork (I & II)

14 Nov (FRI)

9:00~10:00

Plenary Speech

10:00~12:00

Oral session I

13:00~14:30

Poster session

14:30~17:30

Oral session II

18:00~19:30

Networking Dinner

15 Nov (SAT)

10:00~17:00

Technical Workshop

Past proceedings:

<http://kaigan.civil.tohoku.ac.jp/HEST/GSsympo/GSsympo.html>

Fieldwork

Fieldwork I: Arahama Elementary School and Natori-Denshokan

• Arahama Elementary School



This facility preserves and maintains the school building of the Arahama Elementary School in Sendai, which was damaged by the Great East Japan Earthquake on March 11, 2011, as a relic of the disaster, with the aim of raising awareness of disaster prevention and disaster mitigation among many people. The school building, which still retains clear traces of the disaster, is open to the public and exhibits images and videos of the immediate aftermath of the disaster so that visitors can experience the power and threat of the tsunami.

• Natori-Denshokan



The museum aims to pass on the memories and lessons of the Great East Japan Earthquake to the rest of the world and to future generations, to keep the disaster from fading away, and to foster awareness of disaster prevention. We are grateful for all the support we have received and will continue to work together with storytellers and local residents involved in disaster prevention activities to help realize a society that is resilient to natural disasters.

Fieldwork II: Sen-en purification center and JNEX bioplant

Gathering: 8:50 at Aobayama bus stop (集合：当日 8:50, バス停「青葉山駅前」)

• Sen-en purification center



Sen-en purification center, receiving wastewater in 120,000 m³/day i, is the second largest WWTP in Miyagi-ken. The A/O and A/A/O methods are used to treat the wastewater and the sewage sludge is effectively digested for biogas, which is further converted to low-carbon electricity in the plant.

• Jnex bioplant



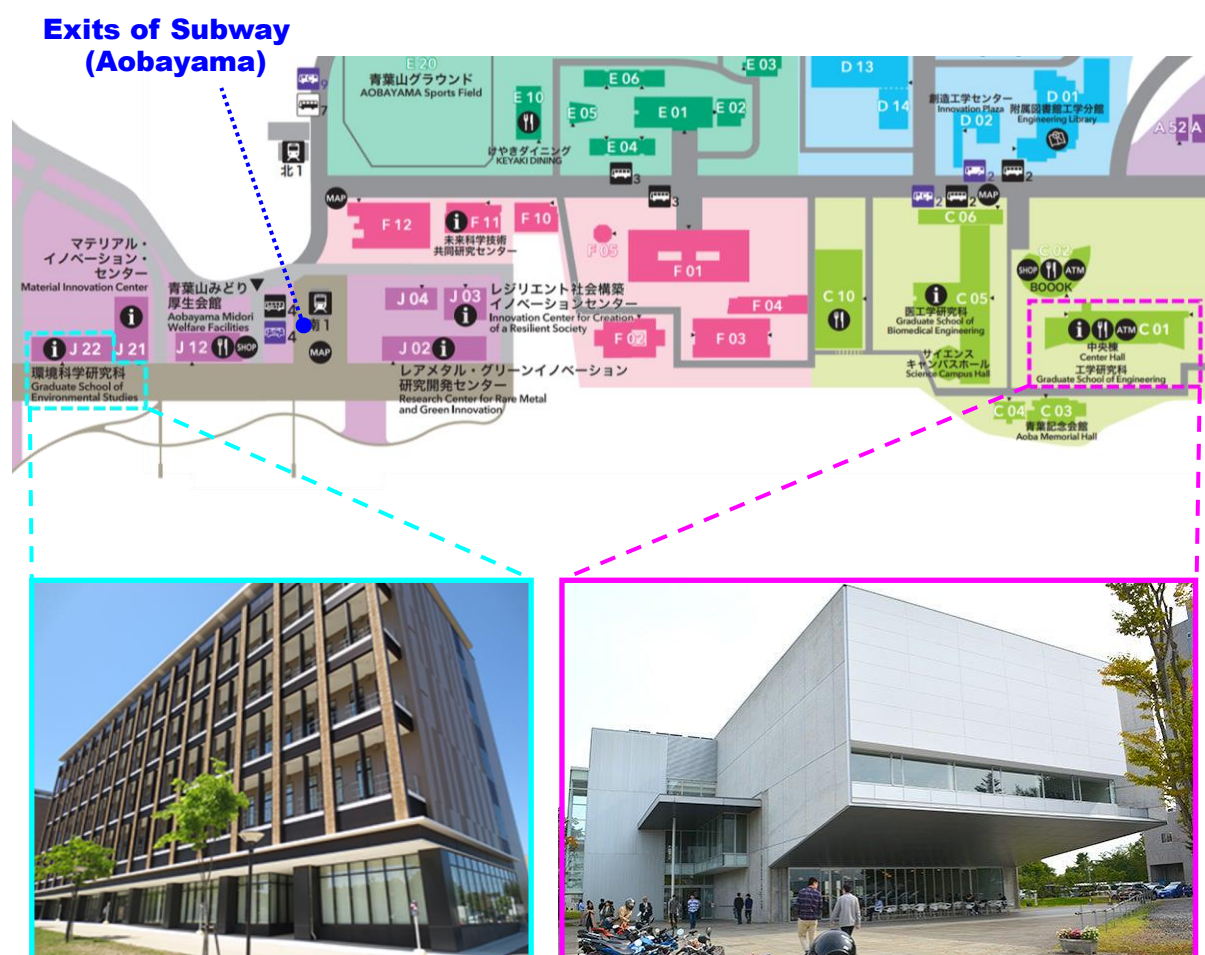
Jnex has been the largest biogas plant in Japan. This plant receives organic solid wastes from local areas and produces biogas, electricity and fertilizers. Jnex is making contributions to sustainable society in Sendai by reducing solid wastes, recycling bio-energy and reusing organic matters and nutrients.

VENUE

Main Building of Graduate School of Environmental Studies (GSES),
Aobayama New Campus, Tohoku University

東北大学 新青葉山キャンパス 環境科学研究科本館(J22)

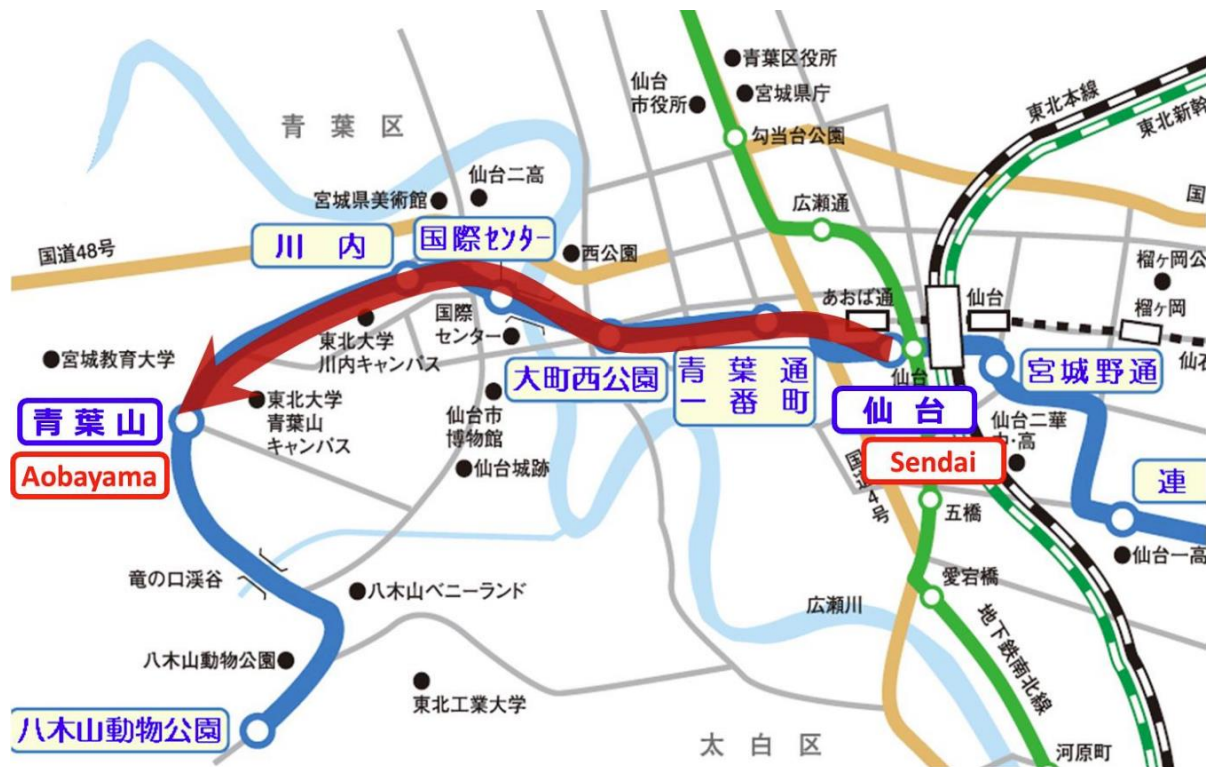
- Lectures: Room 204, Lecture Hall (講演発表: 204室 大講義室)
- Posters: Exhibition Space 2 (ポスター発表: 102室 展示スペース 2)
- Network Dinner: Center Hall & Aoba Restaurant (C01)
(懇親会: 工学部中央棟・工学部食堂(C01))



Left: Main Building of GSES (J22, 環境科学研究科本館)

Right: Center Hal & Aoba Restaurant (C01, 工学部中央棟・工学部食堂)

ACCESS



Public access: Only Subway **Tozai Line** is recommended.

If you start from **Sendai Station** (or Aoba-dori Ichiban-cho), please take the direction of Yagiyama Zoological Park (Yagiyama Dobutsu Koen) and get off at **Aobayama**. (Ticket fee: 250 Yen)

公共交通機関： 地下鉄・東西線はオススメ

「仙台駅」（又は「青葉通一番町」）から「八木山動物公園」方面に「青葉山」まで。
(運賃：250 円)