

# Regional Environment and Sustainable Development (RESD) program

**Topic: Sustainable Urban Water System** 

Term: 2024/8/4-24.

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## **RESD Program 2024**



**Topic: Sustainable Urban Water System** 

Term: 2024/8/4-24

## **Activities & Site Visits**

## Aug. 4-6 Kanazawa





- Laboratory tour
- · Site visit
- Saigawa septic center
- · Ishikawa Eco-house

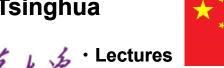
Aug. 7-9 Tohoku



TOHOKU UNIVERSITY

- Lectures
- Laboratory tour
- Visiting Kitagami River

## Aug. 18-21 Tsinghua





- · Beijing Drainage Group
- Tsinghua University · Water reclamation plant

Aug. 22-24 Tongji . Lectures



- 👺 · Student seminar
  - · Suzhou creek tour

## Aug. 10-12 KAIST



**Korea Advanced Institute of** Science and Technology



- Lectures
- Student seminar

## Aug. 13-15 POSTECH



- Lectures
- Laboratory tour
- Korean water cluster

## **Aug. 16-18 GIST**

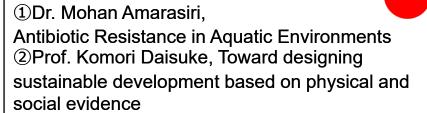


광주과학기술원 Gwangju Institute of Science and Technology

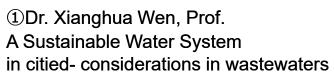
- Lectures
- Laboratory tour
- Seomjin River Water Center
- · Jeonju Hanok Village tour

## Lectures

#### Aug. 7-9 Tohoku



## Aug. 18-21 Tsinghua

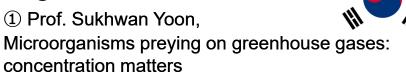


- ② Prof. Hoifeng Jia, Sponge City and Low Impact Development of Urban Runoff and Water Quality Control
- ③ Prof. Xiaomao Wang, Drinking Water Treatment Processes and Principles

## Aug. 22-24 Tongji

- ①Prof. Hailong Yin, Better city, Better life: Water Pollution Control of Suzhou Creek in Shanghai ②Ms. Qian Jia, Formation of odorous aldehydes, nitriles and N-chloroaldimines from amino acids during chlorination
- ③ Prof. Lei Li, Drinking Water Safety and Intelligent Environmental Monitoring

## **Aug. 10-12 KAIST**



②Prof. Chanhee Boo, Temperature Swing Solvent Extraction (TSS) for sustainable treatment of hypersaline brines

## Aug. 13-15 POSTECH

①Dr. Woochul Song, Assoc. Prof.

MOF water harvester: extracting drinking water from Death Valley desert air in ambient sunlight

②Mr. Anqi Liu, Student

Al-based Understanding of Emotional Shifts from Water Pollution Complaints: Impact of Hydroclimatic Extreme and COVID-19

## Aug. 16-18 GIST

①Prof. Changwoo Kim, Water and Human Society ②Dr. Nguyen Hoang Hai, Postdoctoral researcher, Satellite-based Soil Moisture and Its potential for Flash Drought Monitoring from the Land-Atmosphere Perspective

# **Insights for Future Pathways**

- \*\*International Connections\*\*: Build strong global relationships for continuous collaboration on environmental issues.
- \*\*Team Research\*\*: Collaborate with colleagues from China, Korea, and Japan on cross-disciplinary environmental studies.
- \*\*Project Development\*\*: Create initiatives aimed at tackling intricate environmental problems.
- \*\*Significant Contributions\*\*: Play a vital role in advancing sustainability.
- \*\***Guiding Roles**\*\*: Step into leadership positions to spearhead environmental efforts.
- \*\*Flexibility\*\*: Remain adaptable to changing environmental challenges and new opportunities.
- \*\*Ongoing Partnerships\*\*: Keep working together to find solutions for both regional and global environmental concerns.







