

Presentation of

Regional Environment and Sustainable Development Program

2026 July 3 ~ 12

Theme : Carbon Neutrality & Environmental Protection

Haruya Niwa (丹羽 陽弥)

Graduate School of Natural Science and Technology,
Kanazawa University

Visit

July 3 ~ 6 光州科学技術院 GIST (Gwangju)

- Lectures
- Campus & Lab tour
- Site Visit (Jeonju City)



July 6 ~ 9 清華大學 Tsinghua (Beijing)

- Lectures with Summer Camp students
- Campus tour
- Site Visit (Temple of Heaven)



July 9 ~ 12 同濟大學 Tongji (Shanghai)

- Lectures
- Campus tour
- Site Visit (City & Yitan Digital Tec.)



Lecture Contents

Topic : Carbon Neutrality & Environmental Protection

GIST

- Electrochemical Cell Technologies for CO₂ Conversion and Sustainable Hydrogen Production, Prof. Joo, Jong Hoon
- AI Weather & Climate Model, Potential and Limitation, Prof. Yoon, Jin Ho

Tsinghua

- Zero-Emission and Low-Carbon Transportation Technologies, Prof. Shaojun Zhang
- Sponge City and Urban Green-Grey-Blue Infrastructure System, Prof. Haifeng Jia
- Soil Contamination by Heavy Metals & Remediation, Prof. Deyi Hou
- How Green Technologies Are Turned into Commercial Successes – Key Strategies and Approaches at RIET, Dr. Heng Li

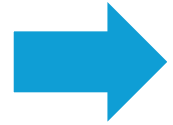
Tongji

- Efficient Electrochemical Energy Conversion for A Renewable Future, Prof. Qingran Zhang
- Water-Energy-Carbon Nexus in Urban Water Systems, Prof. Hongtao Wang
- Phosphorus Removal and Recovery from Wastewater , Prof. Sobotka Dominika

Summary

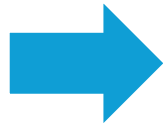
New Insight : Collaborate Research and Study about Environments

- CO₂ Conversion
- Heavy Metals Removal – catalysis, reaction pathway



Interdisciplinary

Intercultural Understanding : Cultures of Korea & China



Develop mutual Understanding





同济大学环境科学与工程学院
College of Environmental Science and Engineering

Regional Environment and Sustainable Development Certificate Program, RESD 中日韩区域环境与可持续发展博士生暑期学校





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Thank You !!