



BEE(UT)-BSE(NTU)
Student networking meeting 2022:



Innovation and strategies towards environmental sustainability

online held

hosted by

Department of Biological and Environmental Engineering from UTokyo &

Department of Bioenvironmental Systems Engineering from NTU

supported by Agro-Informatics Forum Group, *AGRI-COCOON*

programme

Chairs: Prof. K.Yoshino and Prof. Shao-Yiu Hsu



registration

- 15:00-15:05 Opening speech (Prof. Kyouji Takaki from BEE)
- 15:05-17:25 Research presentation (10 Young researchers)
- 1) 15:05-15:17 Tatsuya Kobayakawa(M1):
Seasonal and diurnal variations in methane emissions via different pathways from a paddy
- 2) 15:18-15:30 Che-You Liu(M2):
Socioeconomic drought detection and forecasting, with WAVE+ model
- 3) 15:30-15:42 Rui Takaki(M1):
The response of soybean stem diameter and leaf water potential to water stress
- 4) 15:43-15:55 Yu-I Lin(D2):
Water Reclamation and Value-added Resource Recovery from Agricultural Wastewater for a Circular Bioeconomy
- 5) 15:55-16:07 Zhu Zhiqian(M2):
Attempt of Spatio-Temporal Quantitative Information
Fusion of CO2 Observation Satellites Using STARFM and Fit_FC Algorithm
(Short break)
- 6) 16:10-16:22 Wei Sun(D2):
Explore machine learning-based models to predict regional groundwater levels and assess groundwater vulnerability in the Zhuoshui River basin of Taiwan
- 7) 16:22-16:35 Takuhei Yamazaki(PR):
Temporal evolution of air dose rate in riverside parks; Influence of typhoons and decontamination work
- 8) 16:36-16:48 Bo-Tsen Wang(PR):
Aquifer characterization using empirical module decomposition and river stage tomography
- 9) 16:48-17:00 Akifumi Saiki(D3):
Analysis of the cognition of Ecosystem Services and Ecosystem Disservices
- 10) 17:00-17:12 Pu-Yun Kow(D3):
A study on spatiotemporal ground water level forecasting by a hybridization of machine learning and physically-based models
(Short break)
- 17:15-17:25 Free talks: Innovation and strategies towards environmental sustainability
- 17:25-17:30 Closing speech (Prof. Hwa-Lung Yu from BSE)