COI-NEXT Workshop

Carbon Cultivation to the World

DATE 2026.1. 28 Thr 8:50-16:20
29 Fri 9:00-14:50

VENUE West Tokyo Joint Center for Sustainability Research and Implementation
(TUAT∞MUSASHI ENG, INNOVATION CENTER)

*see next page for presentation details.

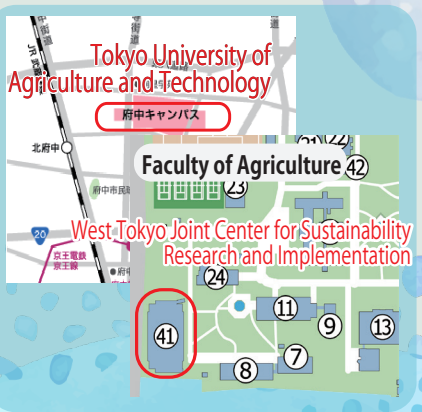
DAY1

8:50-9:00	Introduction
9:00-9:20	1.Heri Hermansyah
9:20-9:40	2.Hiroko MATSUO
9:40-10:00	3.Danny Otto
10:00-10:20	4.Shinji Kanehashi
10:20-10:40	Coffee Break
10:40-11:00	5.Ryota Kose
11:00-11:20	6.Prakit SUKYAI
11:20-11:40	7.Yuka Kojima
11:40-12:00	8.Micah Benize S
12:00-13:00	Lunch & Discussion
13:00-13:20	9.Hamim
13:20-13:40	10.Shafiqullah Aryan
13:40-14:00	11.Satoshi Nakaba
14:00-14:20	12.Kannika SAJJAPHAN
14:20-14:40	13.Muhammad Sahlan
14:40-15:00	Coffee Break
15:00-15:20	14.Hiroyuki Kasahara
15:20-15:40	15.Takashi Toyofuku
15:40-16:00	16.Shohei Riya
16:00-16:20	17.Kemas Ridwan Kurniawan
16:20-17:10	Innovation Center Tour
17:40-19:30	Discussion on dinner

DAY2

9:00-9:20	18.Qian Eika W
9:20-9:40	19.Motoshi Hiratsuka
9:40-10:00	20.Nuwong CHOLLACOOP
10:00-10:20	21.Guoqing Guan
10:20-10:40	Coffee Break
10:40-11:00	22.Yoshiki Horikawa
11:00-11:20	23.Donludee JAISUT
11:20-11:40	24.Yohei Okada
11:40-12:00	25.Darja Deobald
12:00-13:00	Lunch & Discussion
13:00-13:20	26.Rino Rakhmata Mukti
13:20-13:40	27.Haruhiko Teramoto
13:40-14:00	28.Johannes G. Rebelein
14:00-14:20	29.Yu-Jen Lee
14:20-14:40	30.Akihiko Terada
14:40-14:50	Conclusion

Access



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Application deadline：
2026/1/115(Thr) 5:00 PM
***limited to the first 20 applicants**

Presentation Details

*Day1:1-18, Day2:19-30

1.Heri Hermansyah Universitas Indonesia
From Biomass to Value-Added Products: Contributions of Universitas Indonesia Scholars to Sustainable Bioindustrial Engineering

2. Hiroko MATSUO UN Environment Programme
UNEP's Efforts and Projects Addressing Plastic Pollution in the Asia-Pacific Region

3. Danny Otto Helmholtz Centre for Environmental Research GmbH - UFZ
Carbon Management and Cultivation in Germany and Europe: International Comparative Perspectives Using Social-Scientific and Game-Based Methods

4.Shinji Kanehashi Tokyo University of Agriculture and Technology
Effective utilization of non-edible plant oil for functional materials

5. Ryota Kose Tokyo University of Agriculture and Technology
High-Strength Paperboard: Feasibility Study and Proof of Concept on a Lab Scale

6. Prakit SUKYAI Kasetsart University
Sustainable Valorisation of Thai Agro-Residues into Bioactive Extracts and Cellulose-Based Functional Materials

7. Yuka Kojima Tokyo University of Agriculture and Technology
Crystalline cellulose-binding domain CBM104 from wood-rotting fungi

8. Micah Benize S Tokyo University of Agriculture and Technology
Genome editing of cinnamyl alcohol dehydrogenase gene in hybrid aspen for reducing the recalcitrance of lignocellulosic biomass

9. Hamim Institut Pertanian Bogor
Utilization of organic matters and potential microbes to enhance plant growth and environmental quality

10.Shafiqullah Aryan Tokyo University of Agriculture and Technology
Isolation and identification of upland soil spore-forming bacteria to unveil the mechanism of heat and drought resilience in upland crops

11.Satoshi Nakaba Tokyo University of Agriculture and Technology
Evaluation of growth characteristics and wood quality of fast-growing trees

12.Kannika SAJJAPHAN Kasetsart University
Soil Biodiversity and Carbon Sequestration: The Effect of Monthong Durian Plantation Management Practices on Soil Biodiversity in Nonthaburi Province, Thailand

13.Muhammad Sahlan Universitas Indonesia
Exploring The Multi-Enzymatic Potential of Marine Single Cell Cultures for Mannitol Production

14.Hiroyuki Kasahara Tokyo University of Agriculture and Technology
How Do Marine Seed Plants Grow? — A Challenge for Plant Hormone Researchers

15.Takashi Toyofuku Japan Agency for Marine-Earth Science and Technology
Comparative Analysis of Calcification Control in Foraminifera and Pearl Oysters by Microscopic pH Imaging

16.Shohei Riya Tokyo University of Agriculture and Technology
Biogas and nutrient recovery from the agricultural waste with anaerobic digestion and pyrolysis

17.Kemas Ridwan Kurniawan Universitas Indonesia
Eco-metabolistic Architecture: Constructing living performances of bio-based materials

18.Qian Eika W Tokyo University of Agriculture and Technology
Steam Reforming of Bio-Oil Using Nickel-Based Nanoparticle Encapsulated Catalyst for Hydrogen Production

19.Motoshi Hiratsuka Waseda University
Implications of Using Woody Biomass for Renewable Energy: Experiences from the Feed-in Tariff Scheme in Japan.

20.Nuwong CHOLLACOOP National Science and Technology Development Agency
Decarbonize transport sector through high blend of high quality biodiesel in commercial vehicle fleets

21.Guoqing Guan Hirosaki University
Catalytic upgrading of bio-oil over hydrophobically modified zeolites with hollow structure

22.Yoshiki Horikawa Tokyo University of Agriculture and Technology
Rapid and simple analysis of chemical components in wood by using infrared spectroscopy

23.Donludee JAISUT Kasetsart University
Value-Added Transformation of Agricultural Residues into Long-Burning Smokeless Bio-Briquettes

24.Yohei Okada Tokyo University of Agriculture and Technology
Soluble Support (Tag)-Assisted Liquid-Phase Peptide Synthesis

25.Darja Deobald Helmholtz Centre for Environmental Research – UFZ
Exploiting cobalamin-dependent methyltransfer systems for sustainable and CO2-neutral catalysis

26.Rino Rakhmata Mukti Institut Teknologi Bandung
Potential Development of Biomass Waste and Plastic Upcycling for SAF Production

27.Haruhiko Teramoto Research Institute of Innovative Technology for the Earth
Development of biohydrogen production and liquid biofuel production technologies

28.Johannes G. Rebelein Max Planck Institute for Terrestrial Microbiology
Decoding and Taming Nitrogenases for CO2 Conversion

39.Yu-Jen Lee National Institute of Advanced Industrial Science and Technology
Next-Generation Pig Husbandry: Environmental Impact Reduction via Feed Improvement and Biogas Valorization

30.Akihiko Terada Tokyo University of Agriculture and Technology
Upcycling Surplus Biogas into Value-Added Products Using Methane-Oxidizing Bacteria