

[Online] Mini-Workshop

Sustainable Energy and Resources Engineering



January 12, 2022

9:00-11:15 (THA)

11:00-13:15 (JST)

This workshop is organized by Tokyo Tech ANNEX Bangkok and NSTDA.

To deepen cooperation among researchers and to open opportunities for collaboration with industry, Tokyo Institute of Technology (Tokyo Tech) and National Science and Technology Development Agency (NSTDA) are holding mini-workshops related to the programs conducted by Thailand Advanced Institute of Science and Technology (TAIST) – Tokyo Tech.

Capitalizing on Tokyo Tech's strengths to fit the needs of the Thai industrial sector, TAIST – a joint graduate education program operated by Tokyo Tech, NSTDA and leading Thai universities – currently offers the following three programs:

- Automotive and Advanced Transportation Engineering (A2TE)
- Artificial Intelligence and Internet of Things (AIoT)
- Sustainable Energy and Resources Engineering (SERE)

The 2nd mini-workshop in this series will be held online on January 12, featuring lectures by SERE program faculty.

Please join us for this valuable opportunity to share information and exchange ideas.

- This workshop is open to all. Advance registration is required via, https://us06web.zoom.us/webinar/register/WN_b1faKVvSbWUafKPeb96AA



PROGRAM

Chair: Assoc. Prof. Dr. Paweena Prapainainar
Faculty of Engineering, Kasetsart University

(Times indicated below are THA)

- 9:00 – 9:05 Opening Session
- 9:05 – 9:25 Assoc.Prof. Penjit Srinophakun
Faculty of Engineering, *Kasetsart University*
"Biolubricant from vegetable oils"
- 9:25 – 9:45 Assoc. Prof. Ryuichi Egashira
School of Environment and Society, *Tokyo Tech*
"Biorefinery: Production of Biodiesel Fuel"
- 9:45 – 10:05 Assoc. Prof. Pakorn Opaprakasit
School of Bio-Chemical Engineering and Technology,
Sirindhorn International Institute of Technology,
Thammasat University
"Bio-based functional materials in water treatments
and purification"
- 10:05 – 10:25 Assoc. Prof. Chihiro Yoshimura
School of Environment and Society, *Tokyo Tech*
"Water Treatment using Nanocarbon Materials:
Recent Progress and Challenges"
- 10:25 – 10:45 Dr. Kajornsak Faungnawakij
National Nanotechnology Center, *NSTDA*
"Decarbonization: Biofuels, Biochemicals, Biomaterials,
Carbon Capture and Utilization (CCU)"
- 10:45 – 11:15 Discussion for collaboration
- 11:15 Closing

This workshop will be recorded and will be opened later on NSTDA and Tokyo Tech website.

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 Tokyo Tech VR is available here.