東京工業大学 Tokyo Institute of Technology

NSTDA

KMUTT

KMITL พระจอมเกล้าลาดกระบัง

October 8, 2021
9:00 – 11:00 (THA)
11:00 – 13:00 (JST)

[Online] Mini-Workshop

Automotive and Advanced Transportation Engineering

To deepen cooperation among researchers and to open opportunities for collaboration with industry, Tokyo Institute of Technology (Tokyo Tech), Japan and National Science and Technology Development Agency (NSTDA), Thailand will be 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 first mini-workshop, held online, will feature lectures by faculty members of "A2TE".

The workshop is open to all. Advance registration is required.

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

Register at
https://zoom.us/meeting/register/tZUkduGopj8jEtGPVmH6W3Cus3XpzQHrCveg

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

PROGRAM

(Times indicated below are THA)

9:00 – 9:05	Opening Session
9:05 – 9:25	Assoc. Prof. Kazuaki Inaba School of Engineering, *Tokyo Tech* “Design thinking approach and mindset – how to find user‘s needs for innovative products and services"
9:25 – 9:45	Dr. Ruangdaj Tongsri Material Processing and Manufacturing Automation Research Group, National Metal and Materials Technology Center, *NSTDA* "Sintered alloys with ductile iron microstructures"
9:45 – 10:05	Assoc. Prof. Vitoon Uthaisangsuk Centre for Lightweight Materials, Design and Manufacturing, Dept. of Mechanical Engineering, *King Mongkut’s University of Technology Thonburi* "Mechanical behaviours of lightweight materials and structures"
10:05 – 10:25	Prof. Hidenori Kosaka School of Engineering, *Tokyo Tech* “Thermal efficiency improvement of SI engine by direct water injection toward piston surface under super – lean burn condition"
10:25 – 10:45	Assoc. Prof. Preechar Karin Department of Mechanical Engineering, *King Mongkut’s Institute of Technology Ladkrabang* "Engine’s particulate matters and emission control technology"
10:45 – 11:15	Discussion for collaboration
11:15	Closing

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