



The 9th JASTIP-WP2 Annual Workshop

on 26 January 2024

at SD202, 2nd floor, Multi purpose building (building no. 12), TSP, NSTDA

for online participants:

<https://meeting-nstda.webex.com/meet/mullika.kulsiripruck>

13:00 – 13:10	Opening
	Welcome address, Prof. Hideaki Ohgaki
13:10 – 14:55	Report Session 1
13:10 – 13:30	“WP2 Activity”, Prof. Hideaki Ohgaki
13:30 – 14:00	“Development of Carbon Materials from Biomass for Energy Storage Applications”, NSTDA : ENTEC - KU : Dr. Sumittra Charojrochkul/ Plathong Peerada (Prof. Takeshi Abe)
14:00 – 14:30	Innovations in Biomass Application for Catalytic Material Synthesis and Energy Devices”, NSTDA : NANOTEC - CU - KU(T) - MU - VISTEC - NU - KU(J) Project PI: Prof. Noriaki Sano (Japan side)/Dr. Kajornsak Faungnawakij (Thailand side) 1st presentation: Production of bio-based plasticizer from sugars: Preparation of 5-hydroxymethylfurfural from glucose using a solid catalyst and sacrificial formic acid by Mr.Pawan Boonyang, NANOTEC, NSTDA 2nd presentation: Application of Plasma treatment on carbon nanotubes electrode in metal-air battery by Ms. Munsuree Kalong, Kyoto University
14:30 – 15:00	“Sustainable Production of High-Quality Bio-Oil from ASEAN Biomass”/ “Aviation Fuel Production from Palm Fatty Acid Distillate by a Single-step Hydrotreating Process”/” Thermochemical Conversion of Palm Wastes using Aspen and CFD of Cofiring Palm Wastes in Utility Boiler” Kumamoto- Chulalongkorn- NANOTEC- UTP- Curtin, Prof. Suttichai Assabumrungrat , Dr. Bridgid Chin/ Dr. Suzana Yusup/ Dr. Mohammad Nurizat Rahman/ Prof. Armando T. Quitain
15:00 – 15:15	Break & Group Photo
15:15 – 17:15	Reporting Session 2
15:15 – 15:45	“Photocatalytic Conversion of Biomass to Value-Added Fuels and Chemicals”, NSTDA : BIOTEC - JGSEE/KMUTT - KU : Dr. Surawut Chuangchote/ Dr. Verawat Champreda/ Prof. Takashi Sagawa



15:45 – 16:15	“Power Generation from Biomass Wastes”, JGSEE/KMUTT-KU, Prof. Nakorn Worasuwannarak/ Prof. Ryuichi Ashida
16:15 – 16:45	“Development of New Functional Materials for Energy and Environment”, KMITL - RMUTT - KU : Prof. Wisanu Pecharapa, Prof. Hideyuki Okumura
16:45 – 17:15	“RE Implementation: Study on Rural Electrification in ASEAN”, Prof. Hideaki Ohgaki
17:15 – 17:45	Discussion and Closing Remarks
17:15 – 17:40	Activity Plan in 2024, Prof. Hideaki Ohgaki
17:40 – 17:45	Summary and Closing Remarks, Prof. Takashi Sagawa

Participant List (2023): **please update!!**

NANOTEC/NTDA:

1. Dr. Kajornsak Faungnawakij (NANOTEC)
2. Dr. Pongkarn Chakthranont (NANOTEC)
3. Mr. Pawan Boonyang (NANOTEC)
4. Ms. Kornkamon Meesombad (NANOTEC)

BIOTEC/NSTDA-KMUTT:

1. Dr. Verawat Champreda (BIOTEC)
2. Assoc. Prof. Dr. Surawut Chuangchote (KMUTT)
3. Dr. Nopparat Suriyachai (University of Phayao)
4. Dr. Rattana Muangmora (KMUTT)
5. Ms. Nattida Srisasiwimon (KMUTT)
6. Ms. Kamonthip Singbumrung (KMUTT)
7. Ms. Atita Tapo (KMUTT)
8. Ms. Wassana Lekkla (KMUTT)
9. Mr. Kamol Sagonvare (KMUTT)
10. Mr. Ahmad Said (KMUTT)

ENTEC/NSTDA:

1. Dr. Vituruch Goodwin
2. Dr. Priew Eiamiamai (Online)
3. Dr. Ukrit Sahapatsombut (Online)
4. Mr. Thanathon Sesuk



Chulalongkorn University/Silpakorn University/King Mongkut's University of Technology-Ladkrabang/Mahidol University:

1. Professor Suttichai Assabumrungrat from Chulalongkorn University
2. Associate Professor Worapon Kiatkittipong from Silpakorn University
3. Associate Professor Apiluck Eiad-ua from King Mongkut's Institute of Technology Ladkrabang
4. Assistant Professor Atthapon Srifa from Mahidol University (to be confirmed)

JGSEE/KMUTT:

1. Dr. Nakorn Worasuwannarak

KMITL-RMUTT:

1. Prof. Dr. Wisanu Pecharapa
2. Assoc. Prof. Dr. Sorapong Pavasupree
3. Asst. Prof. Dr. Wanichaya Mekprasart
4. Asst. Prof. Dr. Kanokthip Boonyarattanakalin
5. Dr. Thanaphon Kansaard
6. Maneerat Songpanit

Kyoto University:

1. Plathong Peerada (Takeshi Abe)
2. Takashi Sagawa
3. Munsuree Kalong (Noriaki Sano)
4. Ryuichi Ashida
5. Hideyuki Okumura
6. Hideaki Ohgaki

Kumamoto University

1. Armando T. Quitain

Curtin University (Malaysia)

1. Dr. Bridgid Chin Lai Fui

Tenaga Nasional Berhad Research Sdn Bhd (TNBR) (Malaysia)

1. Ir Dr Suzana Yusup



2. Dr Muhammad Nurizat Rahman (online)