

ASEAN Sustainable Energy Week 2023 (ASE2023)
The 19th Renewable Energy Asia
International Conference “The Role of Private Sector in Carbon Neutrality Transition in ASEAN”
 Wednesday, 30 August 2023
 At Queen Sirikit National Convention Center

Opening Ceremony at *Room MR 111*

09.00-09.30	Arrival of attendees
09.30 – 09.35	Report on the Objectives of ASEAN Sustainable Energy Week, Electric Vehicle Asia and Pumps and Valves Asia 2023 Mr. Manu Leopairote, Chairman of Informa Markets - Thailand
09.35-09.40	Report on the Objectives of Organizing the 8th International Electric Vehicle Technology Conference and Exhibition (iEVTech 2023) Mr. Krisda Utamote, President of the Electric Vehicle Association of Thailand
09.40 – 09.45	Report on the Objectives of Organizing the International Conference on Renewable Energy Asia Conference 2023 Prof. Dr. Navadol Laosiripojana, Director of the Joint Graduate School of Energy and Environment (JGSEE), King Mongkut’s University of Technology Thonburi, Thailand
09.45 – 09.50	Welcoming Remark Assoc. Prof. Dr. Suvit Saetia, President of King Mongkut’s University of Technology Thonburi (KMUTT), Thailand
09.50 – 09.55	Welcoming Remark Mr. Chiruit Isarangkun Na Ayuthaya, President, Thailand Convention and Exhibition Bureau
09.55 – 10.15	Opening Remark and Keynote Address “The Role of Government in Enabling Private Sector in the Clean Energy Transition.” Dr. Veerapat Kiatfuengfoo, Representative of Permanent Secretary, Ministry of Energy in Thailand
10.15 -10.20	Official Opening Ceremony and Photo Session
10.20 – 10.25	Presenting “Sustainability Excellence Awards” and Photo Session
10.25 – 10.30	Coffee Break

Plenary Session: The Role of the Private Sector in Carbon Neutrality Transition in ASEAN

Chairperson: Assoc. Prof. Dr. Savitri Garivait

The Joint Graduate School of Energy and Environment (JGSEE),

King Mongkut's University of Technology Thonburi (KMUTT)

10.30 – 10.50	IRENA Tools in Mobilizing Private Investment in Clean Energy Mr. Chandrakant Ingole, Project Facilitation and Support, Technical Assistance and Advisory Services Programme Officer, IRENA, Abu Dhabi, United Arab Emirates
10.50 – 11.10	Thailand's New PDP to Meet Carbon Neutrality Target Mr. Wattanapong Kurovat, Director General The Energy Policy and Planning Office (EPPO), Thailand
11.10 – 11.30	The Role of Private Actors in Clean Energy Transition in ASEAN Dr. Nuki Agya Utama, Executive Director, ASEAN Center of Energy (ACE), Indonesia
11.30 - 11.50	The Role of Thai Industry Towards Carbon Neutrality Transition Mr. Natee Sithiprasasana, Directors and secretary ,Climate Change Institute, The Federation of Thai Industries., Thailand
12.00-13.30	Lunch

Afternoon: Parallel Sessions

Room: MR 109AB

Session I: Green Hydrogen and CCUS Technology

Chairperson: Prof. Dr. Navadol Laosiripojana

The Joint Graduate School of Energy and Environment (JGSEE),

King Mongkut's University of Technology Thonburi (KMUTT)

13.30 – 14.00 **Green Hydrogen for Industries: A Guide to Policy Making**

Mr. Emanuele Bianco, Program Officer, KPFC, IRENA

14.00 – 14.30 **Carbon Capture and Utilization**

Assoc. Prof. Dr. Pattaraporn Kim

Department of Chemical Engineering, Chulalongkorn University, Thailand

14.30 – 14.40 Coffee break

14.40 – 15.10 **Biological Carbon Capture & Utilization: Strategy and Process Overview**

Dr. Verawat Champreda

The National Center for Genetic Engineering and Biotechnology (BIOTEC), Thailand

15.10 – 15.40 **Green Hydrogen**

Dr. Visarn Lilavivat; National Energy Technology Center (ENTEC), Thailand

15.40-16.10 **CCUS Technology: A case study in Canada**

Dr. Puttipong Tantikhajongsol,

The International CCS Knowledge Centre, Canada (online)

Session II: Industrial decarbonization towards a low-carbon future.

Chairperson: **Assoc. Prof. Dr. Pipat Chaiwiwatworakul &**
 Assoc. Prof. Dr. Nakorn Worasuwannarak
 The Joint Graduate School of Energy and Environment (JGSEE),
 King Mongkut’s University of Technology Thonburi (KMUTT)

13.30 – 14.00 Climate Change: Challenges for the Cement Industries

Mr. Manasit Sarigaphuti
 The Siam Cement Group (SCG) Public Company Limited, Thailand

14.00 – 14.30 Decarbonization journey with Future Energy & Beyond towards Net Zero

Dr. Chalermchai Ruangchainikom,
 Manager, Innovation Institute, PTT Public Company Limited, Thailand

14.30 – 14.40 Coffee break

14.40 – 15.10 Biorefinery and CO₂ Utilization as Low-Carbon Technology for Industrial Decarbonization

Dr. Kajornsak Faungnawakij
 National Nanotechnology Center (NANOTEC), Thailand

15.10 - 15.40 Realizing Net Zero Carbon Roadmap - Case Study from Malaysia Waste Treatment Industry

Mr. Tang Kok Mun
 Rapid Genesis, Malaysia

15.40 – 16.00 PV Innovation enables energy transition.

Mr. Sam Chen, Head of Marketing, Utility Group, APAC Region, LONGi

Session III: Preparing Our Society to Face Carbon Neutrality and Net Zero Emissions

Chairperson: **Assoc. Prof. Dr. Amnat Chidthaisong,**
The Joint Graduate School of Energy and Environment (JGSEE),
King Mongkut's University of Technology Thonburi (KMUTT)

13.30 – 14.00	Climate Change Outlook and Impact/Scenario with and without Carbon Neutrality & Net zero emission Dr. Atsamon Limsakul Department of Environmental Quality Promotion (DEQP), Thailand
14.00 – 14.30	Future of livestock and food industry under Net Zero Emission Mr. Somphob Auesongtham Secretary General, Thai Feed Mill Association
14.30 – 15.00	Academic and research activities in Thailand to drive Carbon Neutrality and net Zero emission Asst. Prof. Dr. Awassada Phonghiphat JGSEE-KMUTT, Thailand
14.40 – 15.10	Coffee Break

Session IV: Electricity market and carbon credit mechanism**Chairperson: Dr. Athikom Bangviwat**

The Joint Graduate School of Energy and Environment (JGSEE),
King Mongkut's University of Technology Thonburi (KMUTT)

13.30 – 14.00 Investment Promotion for Clean Energy in Thailand

Ms. Suwida Thunyawong

Thailand Board of Investment, Thailand

14.00 – 14.30 Carbon Credit Certification in Thailand

Ms. Puttipar Rotkittikhun

Director of Carbon Credit Certification Office, Thailand Greenhouse Gas Management
Organization, Thailand

14.30 – 14.40 Coffee break**14.40 – 15.10 Re-organizing the Power Systems for the Transition.**

Mr. Emanuele Bianco

Program Officer, KPFC, IRENA

15.10 - 15.40 Market mechanism to achieve Carbon Neutrality Target

Mr. Pakawee Silpanon

Head, Management and Promotion of Greenhouse Gas Reduction Section,
Electricity Generating Authority of Thailand

Session V:	Decarbonization in Transport
Chairperson:	Assoc. Prof. Dr. Yossapong Laonual Mobility & Vehicle Technology Research Center (MOVE)
Co-Chairperson:	Assoc. Prof. Dr. Savitri Garivait The Joint Graduate School of Energy and Environment (JGSEE), King Mongkut's University of Technology Thonburi (KMUTT)

13.30 – 14.00	Toward Decarbonization of Thailand's Rail Transport Sector Dr. Santi Charoenpornpattana President of the Rail Technology Research and Development Agency (Public Organization), Ministry of Transport, Thailand
14.00 – 14.30	Policy Options to Decarbonize Passenger Transport in Asia-Pacific Dr. Madan B. Regmi Transport Research and Policy Section, Transport Division, Economic and Social Commission for Asia and the Pacific (ESCAP), United Nations, Thailand (online)
14.30 – 14.40	Coffee break
14.40 – 15.10	Mobility Strategy for Climate-Positive City Development Mr. Thanet Chanchareon Senior Vice President-Nebula, Magnolia Quality Developments Corporation (MQDC), Thailand
15.10 - 15.40	Energy Choices for Urban Mobility in Thailand / ASEAN Countries Mr. Alok Jain CEO and Managing Director, Trans-Consult Ltd., Hong Kong
15.40 – 16.10	ICCT's Contributions Towards Decarbonizing Transport Sector in ASEAN Mr. Aditya Mahalana Senior Researcher, The International Council on Clean Transportation (ICCT)