

8th International Conference on Wind Turbines and Renewable Energy
16th Thailand Renewable Energy for Community Conference (TREC-16)

3 – 4 November 2023

Jampee room, 4th floor Student Development Division Building
Kamphaeng Phet Rajabhat University, Kamphaeng Phet, Thailand

Day 1	Friday 3 rd , 2023
08.00 – 09.00	Registration (TREC-16)
09.00 – 10.00	Welcome Remarks & Opening Ceremony 16 th Thailand Renewable Energy for Community Conference (TREC-16)
10.00 – 11.00	Special Lecture: “A new way of community energy and the right to access sustainable energy”
11.00 – 12.00	Special discussion: “Direction of community energy policy in Thailand”
12.00 – 13.00	Lunch
13.00 – 13.20	Registration: 8 th International Conference on Wind Turbines and Renewable Energy
13.20 – 13.30	Welcome Remarks & Opening Ceremony <i>Prof. Dr. Tanongkiat Kiatsiriroat,</i> <i>Honorary Advisor, Thailand Renewable Energy for Community Association (TREC)</i> <i>MC: Asst. Prof. Dr. Worajit Setthapun</i>
13.30 – 13.45	Keynote: The Future of Renewable Energy Systems for Community <i>Assoc. Prof. Dr. Wattanapong Rakwichian</i>
CHAIR	Assit. Prof. Dr. Worajit Setthapun/ Dr.Amphol Apathanakorn
13.45 – 14.00	Enhancement of PV and PVT Module Performances by Heat Pump for Combined Heat and Power Generation <i>Prof. Dr. Tanongkiat Kiatsiriroat,</i> <i>Honorary Advisor, Thailand Renewable Energy for Community Association (TREC)</i>
14.00 – 14.15	The Need for Technology to process Agricultural Products to Increase Value in LAO PDR <i>Soumana Choulamany, Former Director General, Department of Technology and Innovation, Ministry of Science and Technology, LAO PDR</i>
14.15 – 14.30	Introduction to Ocean Engineering Research at the Korea Institute of Ocean Science and Technology <i>Dr.Jihoon Kim, Senior Scientist Researcher, Korea Institute of Ocean Science and Technology (KIOST), Korea</i>
14.30 – 14.45	3 kw Floating PV of Piston Type Air Compress for Water Treatment Process <i>Sirisak Pangvuthivanich, Rajamangala University of Technology Thanyaburi, Thailand</i>
14.45 – 15.00	Wind Powered Aerator System for Water Quality Improvement <i>Glennyong Jin, Saehan Technology Co., Ltd, Korea</i>
15.00 – 15.15	Effects of Temperature and PV Structure Height of 4.86 kW Solar Land to the Performance of Electricity Generation <i>Suthep Simala, Rajamangala University of Technology Thanyaburi, Thailand</i>
15.15 – 15.30	Coffee break

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CHAIR	Assit. Prof. Dr. Worajit Setthapun/ Dr.Amphol Aphathanakorn
15.30 – 15.45	Experimental Study on Performance of Aeration Sub-system using Lab Scaled Model <i>Ganghee Lee, Researcher, Korea Institute of Ocean Science and Technology (KIOST), Korea</i>
15.45 – 16.00	Studying And Analysis of 290 kWp Hybrid Wind & Solar System for Electricity Generation at Ban RAYA Resort, Racha Island Phuket. <i>Waiwit Udayachalerm, Rajamangala University of Technology Thanyaburi, Thailand</i>
16.00 – 16.15	Study, Analysis, and Engineering Design of Wind Turbines <i>Worachate Sangsida, Rajamangala University of Technology Thanyaburi, Thailand</i>
16.15 – 16.30	Study on Operation of Micro-grid Based on Wind Turbine System Linked to P2X Sector-Coupling Technology <i>Jason Kim, Seoltech Co., Ltd., Daegu, Korea</i>
16.30 – 16.45	The Research with Phototyping of 100 kWh Floating Energy Storage System using 10 kW Low Wind Speed Wind Machine for Island and Nearshore Rural Off-Grid Area <i>Assoc. Prof. Dr. Wirachai Roynarin, Advisor Chairman, Thailand Renewable Energy for Community Association (TREC)</i>
16.45 – 17.00	Closing Remarks
18.00 – 21.00	Welcome Dinner

Day 2	Saturday 4 th , 2023
09.30 – 10.00	Registration
10.00 – .12.00	Technical Tour