



adiCET



Research Institute



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Agenda

The 7th ASEAN Smart Grid Congress: Smart Microgrid for ASEAN

Date: 12 – 13 December 2024, Chiang Mai, Thailand

12 December 2024

Venue: Asian Development College for Community Economy and Technology (adiCET), Chiang Mai Rajabhat University, Mae Rim campus,
Chiang Mai, Thailand

Time	Activity
08:00 – 09:00	Depart from Chiang Mai Night Bazaar to adiCET
09:00 – 09:30	Registration and Reception
09:30 – 09:40	Opening Performance
09:40 – 09:50	Welcome Speech & Introduction Asst. Prof. Dr. Hathaithip Sintuya Dean, Asian Development College for Community Economy and Technology, Chiang Mai Rajabhat University, Thailand
09:50 – 10:00	Opening Speech Assoc. Prof. Dr. Chatree Maneekosol Acting President, Chiang Mai Rajabhat University, Thailand
10:00 – 10:05	Sponsor Recognition
10:05 – 10:15	Setting the Scene Remark on Thailand's PV & Smart Grid Development Prof. Dr. Dusit Kruangam Chair of PVSEC-36 2025 & Honorary President Thai Photovoltaic Industries Association (TPVA) Smart Microgrid Research & Development in ASEAN Asst. Prof. Dr. Sulak Sumitsawan ASGC Chairman
10:15 – 10:30	Break & Photo Session



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Time	Activity
	Keynote Session:
10:30 – 10:45	Hawaii’s Renewable Energy and Smart Grid Progress, Implementation, and Key Lessons Learned on the Path to 100% RPS by 2045 Dr. Richard E Rocheleau Director of HNEI Institute University of Hawaii, USA
10:45 – 11:00	NEDO Role of Microgrid Technology Promotion for ASEAN Countries Mr. Kawamura Hironori Chief Representative of NEDO Bangkok Office, NEDO, Japan
11:00 - 11:15	Smart Microgrid and Digital Transformation in China (online) Dr. MA Minxiang Deputy Director-General, Yunnan Provincial Academy of Science and Technology, China & Assoc. Prof. Dr. Vivia Luo Yunnan University, China
11:15 – 11:30	Smart Microgrid in Thailand (Video) Ms. Munlika Sompranon Director of Division of Solar Energy Development & Mr. Thanawat Komepimabut Engineer, Practitioner Level, Division of Solar Energy, Department of Alternative Energy Development and Efficiency (DEDE), Ministry of Energy, Thailand
11:30 – 11:45	Emerging Technologies for Climate Change Mitigation and Smart Grid Advancement in the U.S. Dr. Richard Carlin Science Advisor for Innovation and Climate Change Science Advisor for Innovation and Climate Change NAVFAC Engineering and Expeditionary Warfare Center (EXWC)
11:45 – 12:00	Q&A



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Time	Activity		
12:00 – 13:30	Lunch		
13:30 – 16:00	Oral Presentations (parallel sessions in hybrid format) (Presentation and Q&A 15 mins)		
Venue:	Bird House Meeting Hall	AREC Building	Bamboo Meeting Hall
Session topic:	A: Smart microgrid	B: Energy Management and Material	C: Climate Change & Resilience
Subtopic	- Distributed Generation for Smart Grid - Battery & Energy Management	- Energy Management for Smart Grid - Smart Mobility (EV) - Intelligent Appliances & Smart Building	- Climate Change & Clean Energy - Nanotechnology and Materials for Energy and Environment - Energy Resilience
Session Chairs	Prof. Dr. Nofri Yenita Dahlan, UiTM, Malaysia Dr. Vorachack Kongphet, NUOL, Lao PDR	Dr. Nono Darsono, BRIN, Indonesia Asst. Prof. Dr. Rotjapun Nirunsin, MJU, Thailand	Dr. Kampanart Silva, ENTEC, Thailand Assoc. Prof. Dr. Azlin Mohd Azmi, UiTM, Malaysia
Session Coordinators	<u>UiTM</u> Mr. Tengku Nazmi Ms. Siti Shahada Shamshuddin <u>adiCET</u> Dr. Thananchai Sataklang Mr. Sovanna Phoeurn	<u>UiTM</u> Mr. Muhammad Afiq Abd Jalil Ms. Nurul Aqilah Mahmud <u>adiCET</u> Mr. Narakorn Songkittirote Mr. Chan Thavysak	<u>UiTM</u> Mr. Muhammad Zulhamizan Ahmad Ms. Nurul Farhana Zulkefli <u>adiCET</u> Dr. Sasiprapha Kaewdang Mr. Bounkham Tanthavong
16:00 – 18:00	Networking Break at adiCAFE Site Visit – <i>the Smart Microgrid and Smart Community at adiCET</i>		
18:00 – 21:00	Banquet at Chiang Mai World Green City <i>Night market-style open-air banquet under the stars, featuring northern and central Thai cuisine</i>		



Agenda ASGC7

13 December 2024

Venue: adiCET, Chiang Mai World Green City, Chiang Mai, Thailand

Time	Activity
08:00 – 09:00	Depart from Chiang Mai Night Bazaar to adiCET
	Invited Presentation
	Microgrid Systems Using Real-Time Simulators and examples
09:00 – 09:15	Mr. Benoit Marcoux Business Development Manager – Asia, OPAL-RT TECHNOLOGIES
09:15 – 09:30	Smart campus with demand response challenge & opportunity Mr. Weerayut Srithiam Chief, Smart Energy Solutions Business Department & Mr. Kittipong Sumpaongern Business Integrator – Energy Solutions Innovative Energy Solutions Business Management Division Electricity Generating Authority of Thailand (EGAT), Thailand
09:30 – 9:45	Way Forward for Energy Resilience in ASEAN: Climate Financing for Resilient Energy Infrastructure Dr. Kampanart Silva National Energy Technology Center (ENTEC), Thailand
09:45 – 10:30	Site visit of Chiang Mai World Green City & Chiang Mai Rajabhat University (via bus around the Mae Rim Campus) Smart Microgrid : Full Feeder Community Microgrid Asst. Prof. Dr. Hathaitip Sintuya, adiCET
10:30 – 11:00	Break



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13 December 2024

Venue: adiCET, Chiang Mai World Green City, Chiang Mai, Thailand

Time	Activity		
10:30 – 12:00	<p>Collaboration workshops</p> <p><i>The goal of this workshop is to foster collaboration and knowledge sharing among ASEAN stakeholders and international partners on key aspects of smart microgrid development.</i></p>		
	Venue: Bird House Meeting Hall	AREC Building	Bamboo Meeting Hall
Collaboration topic:	<p>A: Emerging Research on Smart Microgrid for ASEAN</p> <p><i>Discuss the latest innovations and identify research priorities and collaboration opportunities for enhancing microgrid technology in the region.</i></p>	<p>B: Capacity Building for Smart Microgrid Development in ASEAN</p> <p><i>Explore strategies for building expertise, skills, and technical capabilities necessary for effective microgrid implementation.</i></p>	<p>C: Standard and Testing of Smart Microgrid</p> <p><i>Explore possibilities for a common framework for standards and testing opportunities to ensure reliable, efficient, and scalable microgrid solutions.</i></p>
Facilitator	Asst. Prof. Dr. Worajit Setthapun, adiCET		
Note Takers	<u>UiTM</u> Dr. Sridhar Sripadmanabhan Nadar Indira Mr. Irfanuddin Nor Anwar Mr. Muhammad Aiqal Iskandar	<u>Temasek Polytechnic, Singapore</u> Mr. Justin Lim Zheng Qin Mr. Rafiqin Muhammad Huzai Bin Ramli	
12:00 – 13:30	Lunch (Box lunch)		
13:30 - 15:00	Cultural tour or Free time Chiang Mai City Tour with Tram ride and professional tour guide <i>(Please sign up for the cultural tour at the registration table)</i>		
15:00 – 16:00	Depart back to Chiang Mai Night Bazaar		