

# GMSARN Board Members

# Organizing Committees

Dr. Chet Chealy, RUPP, Cambodia  
Dr. OM Romny, ITC, Cambodia  
Prof. Peng Jinhui, KUST, China  
Prof. Dr. Lin Wenxun, YNU, China  
Prof. Zhao Yueyu, GXU, China  
Prof. Dr. Somsy GNOPHANXAY, NUOL, Lao PDR  
Dr. Myint Thein, YTU, Myanmar  
Dr. Eden Y Woon, AIT, Thailand  
Assoc. Prof. Dr. Gasinee Witoonchart, TU, Thailand  
Assoc. Prof. Charnchai Panthongviriyakul, M.D., KU, Thailand  
Asst. Prof. Dr. Chutinun Prasitpuriprecha, UBU, Thailand  
Asst. Prof. Dr. Charoon Thawornchak, NPU, Thailand  
Assoc. Prof. Dr. Hoang Minh Son, HUST, Vietnam  
Assoc. Prof. Dr. Vu Dinh Thanh, HCMUT, Vietnam  
Prof. Kanchana Ngourungsi, NU, Thailand  
Assoc. Prof. Dr. Khunying Sumonta Promboon, CDTI, Thailand  
Asst. Prof. Dr. Wattana Rattanaprom, SRU, Thailand

**Chair:**  
Dr. Eden Y Woon, AIT  
**Members:**  
Dr. OM Romny, ITC  
Dr. Chet Chealy, RUPP  
Assoc. Prof. Dr. Phout SIMMALAVONG, NUOL  
Assoc. Prof. Dr. Vu Dinh Thanh, HCMUT  
Assoc. Prof. Dr. Hoang Minh Son, President, HUST  
Prof. Dr. Siriwan Suebnukarn, D.D.S., TU  
Assoc. Prof. Charnchai Panthongviriyakul, M.D., KKU  
Prof. ZHANG Li, YNU  
Prof. Baoshan Chen, GXU  
Dr. Myint Thein, YTU  
Asst. Prof. Dr. Chalermchai Wongrak, UBU  
Dr. Poonnatree Jiaviriyaboonya, NPU  
Assoc. Prof. Dr. Suchart Yammen, NU  
Asst. Prof. Dr. Anuman Chantawong, SRU  
Assoc. Prof. Dr. Khunying Sumonta Promboon, CDTI, Thailand

**Secretary:**  
Prof. Dr. Weerakorn Ongsakul, AIT  
Assoc. Prof. Dr. Vo Ngoc Dieu, HCMUT  
Dr. Jirawadee Polprasert, NU

## Conference Paper Schedule

2-pages Abstract Submission:	November 20 2020
Notification of Acceptance:	November 30, 2020
Final Manuscript Submission & Early-Bird Registration:	December 11, 2020
<b>Conference Dates:</b>	<b>December 21-22, 2020</b>

## Contact Information

Website: <http://www.gmsarn.com/conference2020>  
E-mail: [gmsarn@ait.ac.th](mailto:gmsarn@ait.ac.th)  
Office Tel: +66-2-524-6537  
(Ms. Watcharathorn Chantinmathorn / Khun Bally)



# The 15<sup>th</sup> GMSARN International Conference 2020

on “Sustainable Energy, Environment &  
Climate Change Transitions in GMS”

21-22 December 2020

Phra Nakhon Si Ayutthaya  
Thailand

Hybrid Conference

Organized by : Supported by:



**First Announcement & Call for Papers**



# Conference Purposes

Due to the biggest regional and global crisis in coronavirus (Covid-19), the Greater Mekong Subregion (GMS) will be affected through health systems, economies, and societies. Faced with an unprecedented situation, governments are focused on bringing the disease under control and reviving their economies. The energy sector is also severely affected by this crisis, which has slowed transport, trade and economic activity across the globe. With widespread global-scale lockdowns, productivity and stable supply of the energy industry are challenged not only during the special period but also critically for global and national response and recovery. Efforts and remedies implemented during this time are of significance since they help to inform policy and government actions and provide recommendations for enterprises to make optimal decisions to avoid risks. At the same time, society is experiencing significant changes in personal behaviors such as in human mobility and work, which will further have major impacts on energy consumption and the environment across many sectors such as buildings, transportation, manufacturing and services.

The 15th GMSARN International Conference 2020 (GMSARN 2020) to be held as hybrid conference during December 21-22, 2020 is organized and technically supported by Asian Institute of Technology (AIT), Pathum Thani, Thailand. The aim of the conference is to focus on sustainable energy, environment, climate change transitions, and development in GMS countries to shape its future. To address these critical issues, the International Conference 2020 on “**Sustainable Energy, Environment, and Climate Change Transitions in GMS**” is a one and a half days platform for knowledge dissemination by a diverse group of researchers and participants.

The rationale of the GMSARN 2020 is to initiate and stimulate international discussions and provide a platform to share the most recent ideas and innovations across the above sectors and enhance interdisciplinary research collaboration. The conference can be used as an international platform on regional and trans-boundary perspectives. Therefore, it can contribute to sustainable development related to energy, environment and climate change. In this aspect, GMSARN conference is a unique hosting a wide range of various disciplines that would generate shared solutions and ideas to existing problems. In addition, this conference provides an ecosystem to disseminate the research and findings of development on various innovative and sustainable developments in GMS. It is also envisaged that the conference will benefit GMS education and research programs. Topics of interest include, but are not limited to, the following: *Energy, Environment, Development and Sustainability*

## Registration Fees

Type of Register	Early-Bird	Late
	Before December 11, 2020	After December 11, 2020
Regular	13,000 THB (420 USD)	14,000 THB (450 USD)
GMSARN Member	10,000 THB (320 USD)	11,000 THB (355 USD)
Student	7,500 THB (240 USD)	8,500 THB (275 USD)
General Audience	4,000 THB (130 USD)	
Excursion and Boat Trip	1,500 THB	
*Online presentation option via Zoom is available only for overseas participants.		

## Instructions to Authors

The 2-page extended abstract is required containing the title of the paper, authors, contact person and their affiliations, key words, and a summary of the paper. Times New Roman font size 12 should be used. The authors will be notified of the acceptance within 10 days after receipt of the extended abstracts. Authors are encouraged to submit their abstracts by email in both PDF and WORD file formats. Submissions should be addressed to the GMSARN Secretariat at [gmsarn@ait.ac.th](mailto:gmsarn@ait.ac.th). The full paper will be published in the conference proceedings and selected papers will be considered for peer review in GMSARN International Journal indexed by SCOPUS. English will be the language for all printed materials, as well as for the technical presentations and discussions.

## Conference Venue



Krungsri River Hotel  
27/2 Moo 11 Rojchana Rd., Kamang,  
Phra Nakhon Si Ayutthaya 13000  
Thailand

## Conference Program

Day 1 Morning: Opening, Keynote, and Parallel Sessions  
Afternoon: Excursion and Boat Trip in Ayutthaya  
Day 2 Morning: Keynote, Parallel Sessions and Closing  
Afternoon: Parallel Sessions (Optional)