

#### The 14th GMSARN International Conference 2019 on

"Smart Energy, Environment, and Development for Sustainable GMS"

November 27-29, 2019
The Grand Luang Prabang
Luang Prabang, Laos

# Recap

Prof. Weerakorn Ongsakul, CFA, ERP GMSARN Secretary General

### The conference is organized by



**Greater Mekong Subregion Academic and Research Network (GMSARN)** 



Asian Institute of Technology (AIT)



**National University of Laos (NUOL)** 

### Conference Sponsors

#### **Platinum Sponsors**

#### **Gold Sponsors**









### Silver Sponsors

















### **Supporting Associations**





### **Organizing Committee**

#### Chair

Dr. Eden Y Woon

President

Asian Institute of Technology

#### Co-chair

Prof. Dr. Somsy Gnophanxay

President

National University of Laos

### **Organizing Committee Members**

- Dr. OM Romny, Director General, Institute of Technology of Cambodia
- Dr. Chet Chealy, Rector, Royal University of Phnom Penh
- Dr. Myint Thien, Rector, Yangon Technological University
- \* Assoc. Prof. Dr. Gasinee Witoonchart, Rector, Thammasat University
- Assoc. Prof. Charnchai Panthongviriyakul, M.D., President, Khon Kaen University
- Prof. Lin Wenxun, President, Yunnan University
- Prof. Dr. Wang Xueqin, President, Kunming University of Science and Technology
- Prof. Zhao Yueyu, Vice President, Guangxi University
- ❖ Prof. Dr. Mai Thanh Phong, Rector, Ho Chi Minh City University of Technology
- \* Asst. Prof. Dr. Phatthanaphong, Acting President, Nakhon Phanom University
- Assoc. Prof. Dr. Nongnnit Teerawatanasuk, President, Ubon Ratchathani University
- Assoc. Prof. Dr. Suchart Yammen, Dean, Faculty of Engineering, Naresuan University
- Assoc. Prof. Hoang Minh Son, President, Hanoi University of Science and Technology

# Organizing Committee Secretary

Prof. Dr. Weerakorn Ongsakul, CFA, ERP
 GMSARN Secretary General and Conference Executive Director

#### Technical Program Co-organizer

Assoc. Prof. Dr. Vo Ngoc Dieu
 Ho Chi Minh City University of Technology, Vietnam

#### Program Director

Dr. Jirawadee Polprasert
 Naresuan University, Thailand

#### **Program Officer**

Ms. Watcharathorn Chantinmathorn
 Asian Institute of Technology, Thailand

### **Conference Summary**

- Number of Abstracts Submitted: 149
- Number of Accepted Presentation: 108

Total	108
Development	40
Environment	9
Energy	59

# Conference Summary

Number of countries contributed to papers:

Demark	1
Japan	2
USA	2
Thailand	102
Vietnam	1
Total	108

### Thank you

- Organizers would like to thank all the keynote speakers for their valuable contributions.
- Organizers would also like to thank to all the contributions for session chairs.
- And a special thanks goes out to all the staffs.



### Session Chairman

- Dr. Nattadon Pannucharoenwong, Thammasat University, Thailand
- Mr. Cherid Kalayanamitr, EGAT, Bangkok, Thailand
- Asst. Prof. Dr Boonruang Marungsri, Suranaree University of Technology, Thailand
- Assoc. Prof. Dr. Rikke Bak Lybaek, University of Roskilde, Denmark
- Asst. Prof. Dr. Piyadanai Pachanapan, Naresuan University, Thailand
- Assoc. Prof. Dr. Pensri Jaroenwanit, Khon Kaen University, Thailand
- Asst. Prof. Dr. Sittichoke Pookpunt, Naresuan University, Thailand
- Dr. Sasitorn Srifuengfung, Kasembundit University, Thailand
- Assoc. Prof. Dr. Pawinee lamtrakul, Thammasat University, Thailand
- Assoc. Prof. Dr. Suwit Kiravittaya, Naresuan University, Thailand

### Session Chairman















# Sponsor Delegation





Group Photo



Introductory Remarks by
Prof. Dr. Weerakorn Ongsakul, CFA, ERP
GMSARN Secretary General & Conference Executive Director



#### **Welcome Address by**

H.E.Dr. Subin Pinkayan
Chairperson of the Board of Trustees, AIT &
Former Minister of Foreign Affairs of Thailand



#### **Opening Address by**

Prof. Emeritus Dr. Sahas Bunditkul Chairman Executive Committee of AIT & Former Deputy Prime Minister and Interim Minister of Foreign Affairs of Thailand



Closing Remarks by
Dr. Eden Y Woon
President
Asian Institute of Technology, Thailand



Keynote Speaker I: "Impact of Trade War to Thailand Global Supply Chain" by Dr. Somjai Phagaphasvivat Bangkok, Thailand



Keynote Speaker II: "Zero Waste Collaborative Network" by Mr. Wiwat Hirunpruk
Sustainable Fashion & Lifestyle Industrial Expert,
Thailand Textile Institute, Bangkok, Thailand

### Breakout Sessions













### **Breakout Sessions**









# Field Trip: Xang Hai Village











# Field Trip: Pak Ou Caves























# Field Trip: Pak Ou Caves

















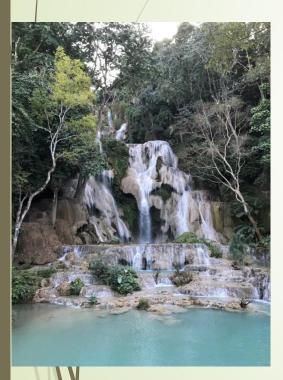


# Field Trip: Kuang Si Waterfall



Photo by Dr. Nattadon from Thammasat University, Pattaya Campus

# Field Trip: Kuang Si Waterfall









# Field Trip: Kuang Si Waterfall







# Thank you all



See you again in the 15th GMSARN International Conference on 2<sup>nd</sup> week of November 2020 in Sihanoukville, Cambodia