

## *Welcome Messages*

### WELCOME TO THE 12<sup>th</sup> INTERNATIONAL EARTH SCIENCE OLYMPIAD (12<sup>th</sup> IESO)



On behalf of the Promotion of Academic Olympiad and Development of Science Education Foundation (POSN), I would like to extend a warm welcome to all delegates to the 12th International Earth Science Olympiad (IESO). The venue will be at Mahidol University, Kanchanaburi Campus, Thailand. The theme of this year's competition, "Earth Science for All", is most appropriate and timely, because it reflects our unified effort to promote, among citizens of this Planet Earth, greater awareness of the global challenges all of us are facing. These challenges include sea-level rise resulting from climate change, the increase in air pollutions, the diminution of fossil fuels, and the depletion of other natural resources. These problems can only be solved through collaborative efforts of all nations and citizens of our planet.

It is our intention that this IESO event serves as a tribute to the late His Majesty King Bhumibol Adulyadej, who was the first recipient of both the International Union of Soil Sciences (IUSS): Humanitarian Soil Scientist Award and the United Nations' Global Development Network (UNDP): Human Development Lifetime Achievement Award. His Majesty's thorough understanding of soil and water resources management, environmental and natural resources conservation has resulted in thousands of Royal development projects that now benefit every citizen of Thailand and of many other countries. We will always hold these achievements in highest esteem and particularly in remembrance of His Majesty's benevolence and kindness.

We wish that each delegate will take advantage of his or her participation in this IESO to learn as much as possible from one another and therefore contribute to the same cause of solving global Earth Science problems. This event will provide an excellent setting for all to get together to share experiences while making long lasting friendship. We expect that you will have memorable experiences throughout the duration of the event.

I look forward to welcoming you in Thailand in August 2018

Assoc. Prof. Pinit Ratananukul, Ph.D.

Adviser to the Organizing Committee of the 12th International Earth Science Olympiad

Deputy Secretary General of the Promotion of Academic Olympiad and Development of Science Education Foundation under the patronage of Her Royal Highness Princess Galyani Vadhana Krom Luang Naradhiwas Rajanagarindra



## *Welcome Messages*



It is an honor to welcome all participants to the 12th International Earth Science Olympiad (IESO), which is the first time organized by Thailand. The 12th IESO event will take place during August 8-17, 2018, at Mahidol University Kanchanaburi Campus. The province of Kanchanaburi is one of the top tourist destinations in Thailand with rich history and culture e.g. pre-historic human settlements, Khmer archaeological park, the Death Railway building during World War II.

Situated in Permian-Triassic karst landscape, our Kanchanaburi campus provides the best environment to study Earth science. Therefore, selecting our campus as the venue for this event is the most logical decision by the organizing committee. Undoubtedly, IESO, the most competitive global academic competition challenging young secondary-school students from all over the world, will succeed in inspiring these excellent country representatives to become valuable Earth scientists to solve several critical Earth Science research problems in the future. The participation of nation delegates including students, mentors and observers will create a strong Earth Science network with the purpose of raising awareness of Earth Science problems in a global stage. On behalf of the Local Organizing Committee of the 12th IESO, I assure that all participants will have memorable experiences regarding the competition and other activities of this event.

I am looking forward to welcoming you in August 2018.

Asst. Prof. Thatchavee Leelawat, Ph.D.

Chairperson of the Organizing Committee of the 12th International Earth Science Olympiad  
Vice President for Information Technology and  
Kanchanaburi Campus, Mahidol University



It is a great pleasure to welcome student participants, mentors and observers from all over the world to the 12th IESO during August 8-17, 2018, at Mahidol University Kanchanaburi Campus. As the chairperson of the Scientific Committee, I oversee the exam preparation process carefully to make sure that the academic competition proceeds in accordance with the guidelines stated in the Statutes of the IESO, version 4, published November 1, 2016.

With numerous critical Earth Science problems we are facing currently and in the near future such as natural and anthropogenic climate changes, it is necessary that people from all walks of life become aware of the urgency of seeking for solutions of these problems. This is the task that requires unwavering global collaboration. IESO event provides an opportunity for all of us to gather, test our knowledge and share our experiences that will lead to solving these problems in the future. Many of student participants will become our future colleagues of Earth scientists and will make great contributions to our scientific community. Mentors who conduct research Earth and Planetary Sciences from respective countries will mingle, communicate, and passionately discuss sciences during this ten-day period which will lead to progresses in science in order to achieve our 12th IESO theme, "Earth Science for All"

I look forward to welcoming and meeting you in August 2018.

Prinya Putthapiban, Ph.D.

Chairperson of the Scientific Committee of the 12th International Earth Science Olympiad  
Division of Geoscience, School of Interdisciplinary  
Studies, Mahidol University Kanchanaburi Campus



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## Venues

### Mahidol University

Mahidol University has a long and proud history of contributing to knowledge development in Thailand and is committed to research and teaching excellence. The establishment of Siriraj Hospital in 1888 by His Majesty King Chulalongkorn set the foundation for creation of the University of Medical Sciences in 1943, which was officially renamed as Mahidol University by His Majesty King Bhumibol Adulyadej in 1969. Since then, Mahidol University has gained a reputation as being one of the nation's most prestigious higher learning institutes, forging many global collaborative links to build on its core strengths in medicine, health, and science related areas and open new opportunities for innovation in research and higher learning.

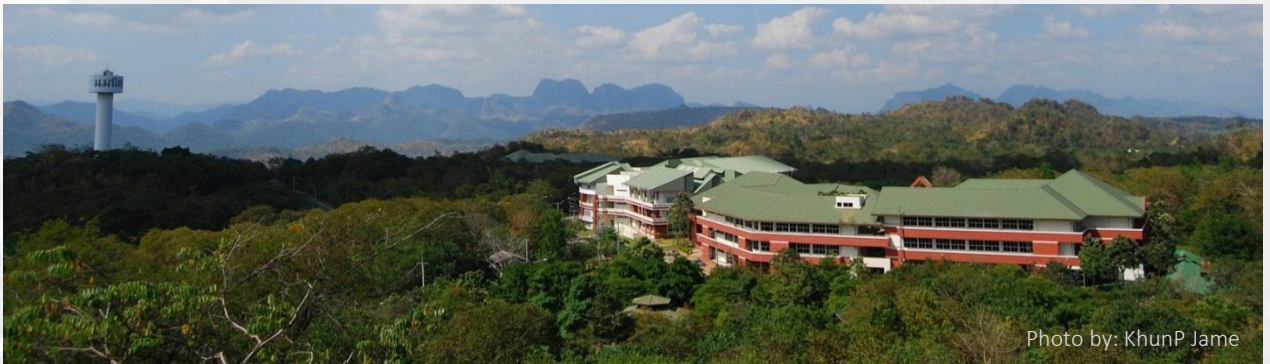


Photo by: KhunP Jame

### Mahidol University Kanchanaburi Campus

Mahidol University established the Kanchanaburi Campus in western Thailand in mid-2002 with the main objective of expanding higher education into the upcountry regions, so as to increase local incomes, create occupational opportunities and improve the quality of life of the rural people. The climate is tropical otherwise moderately pleasant throughout the year with temperature varying from 20 °C to 38 °C and with some showers from July to September. Owing to its location amid Permian-Triassic karst landscapes, Mahidol University Kanchanaburi Campus, fits so nicely as the venue for the IESO 2018 activities.



### Geoscience Program

The Division of Geoscience of Mahidol University Kanchanaburi Campus thrives to produce capable graduates with strong academic and societal integrity. These graduates are expected to have thorough Geoscience knowledge to fulfill their initial career goals. We train our students to apply integrated knowledge to solve Geoscience-related problem in geology, geochemistry, geophysics, computational geoscience, engineering geology and environmental geology.



***“WELCOME TO KANCHANABURI, THAILAND”***

# Announcement

Registration for IESO2018 is open now on this web site

<https://ieso2018.posn.or.th/>

Each national delegation includes 4 students and 2 mentors.  
The registration fees are

Participant	Fee (USD)
Early Registration Fee Rate : If Register Before June 8, 2018	
National Delegation	2,000
Observers and Guest Students	1,000
Regular Registration Fee Rate : If Register Between June 9, 2018 to July 25, 2018	
National Delegation	2,500
Observers and guest students	1,200

## Preliminary Registration

All who wish to participate in IESO 2018 must send e-mail of intention with the following information listed in the example letter below to : [ieso2018@posn.or.th](mailto:ieso2018@posn.or.th) by February 28,

Dear Local Organizing Committee of IESO 2018  
We would like to participate in the IESO 2018. Our information include  
Country :  
Contact Person Name :  
E-mail Address :  
Postal Address :  
Phone Number with Country Code :

**Contact :** Mahidol University Kanchanaburi Campus  
199 m 9 SangChuto Lumsum Saiyok  
Kanchanaburi 71150, Thailand  
Tel: +66 (0)3458-5058  
E-mail: [ieso2018@posn.or.th](mailto:ieso2018@posn.or.th)