

REPORT ON THE VIRTUAL MEETING OF 19th SEACOMP, 14th ACOMP and 13th TMPS

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Abstract— Thai Medical Physicist Society (TMPS) hosted the virtual meeting of the 19th South-East Asian Congress of Medical Physics (SEACOMP), the 14th ASEAN College of Medical Physics (ACOMP) and the 13th Annual Meeting of TMPS under the theme “Medical Physics – Facing the Future Together”. The congress was held on 21st – 23rd October 2021. There were 231 online delegates from 16 countries participating the congress. The 1st SEAFOMP-Anchali Krisanachinda Medical Physics Quiz” was organized at this congress.

Keywords— SEACOMP, TMPS, ACOMP, Virtual Congress.

I. INTRODUCTION

At the 18th SEACOMP Council Meeting in 2020 at Phuket, Thailand, Thai Medical Physicist Society (TMPS) had been asked to host the 19th South-East Asian Congress of Medical Physics (SEACOMP) in Phuket Island, Thailand again to extend the opportunity to the participants to visit Phuket Island. However, the rapid COVID-19 pandemic in ASEAN countries has a huge impact on a face-to-face scientific meeting. The congress was adapted to a virtual meeting and held at King Chulalongkorn Memorial Hospital, Bangkok, Thailand.

II. DETAILS OF THE CONFERENCE

Only the local committee members, medical physics students, and the IT persons were onsite to organize the online congress under the WebEx platform including three sponsor companies as presented in Fig. 1 and Fig 2. The 19th SEACOMP, the 14th ACOMP and the annual meeting of 13th TMPS had been organized under the theme “Medical Physics – Facing the Future Together”. The aim of this conference was to strengthen medical physics in healthcare and to explore the latest developments of medical physics in research, education, professional development, and industry.

There were 231 delegates from 16 countries participated in the conference virtually as in Table 1. Most of the participants were Thai but it also attracted delegates and

invited speakers from other continents. This congress has 19 invited lectures, 10 mini-symposiums, 2 ACOMP lecture-workshops, and 8 commercial video presentations. The field of the congress are Medical Imaging, Radiation Therapy, AI, Education, and Clinical Training of Medical Physics. Moreover, 43 proffered papers were submitted for the oral presentation of 12 papers in radiation oncology, 17 papers in diagnostic radiology, 4 papers in nuclear medicine, and 10 papers in artificial intelligence presentations. All invited lectures and oral presentation abstracts including 16 full papers were published in the congress proceedings. The congress was well supported by many organizations and societies, such as the International Atomic Energy Agency (IAEA), American Association of Physicists in Medicine (AAPM), Japanese Society of Medical Physics (JSMP), Japanese Society of Radiological Technology (JSRT), and several universities as well as 18 healthcare industrial partners.



Fig. 1 The local organization team and medical physics students from Thailand



Fig. 2 The local organizer visited three sponsor companies

The opening ceremony was held on 21st October 2021. Dr. Anchali Krisanachinda, the Congress President gave the welcome speech and Dr. Freddy Haryanto, SEAFOMP President proceeded to the Opening Remarks. After that, the 16th John Cameron Memorial Lecture was started by Prof. Dr. Peter Homolka from the Medical University of Vienna, Austria, on the topic “3D printing in medical imaging: opportunities and potential pitfalls for the medical physicist” (Fig. 3). His lecture covered the application of 3D printing technology to medical imaging such as the phantoms for quality control, commissioning, and dosimetry or the higher-level phantoms of the pseudo-anthropomorphic phantom.

Table 1 The countries and number of participants.

Country of Participants	Number
Thailand	142
Indonesia	19
Malaysia	17
The Philippines	14
Japan	9
Singapore	7
USA	7
Austria	4
Australia	3
Cambodia	3
Canada	1
Lao PDR	1
Myanmar	1
Vietnam	1
Taiwan	1
Yemen	1
Total	231



Fig. 3 Prof Dr. Peter Homolka delivered the John Cameron Memorial Lecture on “3D printing in medical imaging: opportunities and potential pitfalls for the medical physicist”

The virtual meeting was organized in three tracks of physics in diagnostic radiology, radiation oncology, and nuclear medicine in parallel. During the coffee and lunch breaks, the pre-recorded commercial video presentations were displayed. The SEAFOMP EXCOM meeting was organized at lunchtime on October 23rd, 2021. SEAFOMP committee made the recommendations for SEAFOMP activities last year, the SEAFOMP Treasurer report 2021 was approved.

The 14th ASEAN College of Medical Physics (ACOMP) in AI and targeted radionuclide radiotherapy was

traditionally organized in this congress. The AI course was announced in the poster in Fig. 4, consisting of 7 lecture-workshop topics organized by Professor Kwan Hoong Ng and his team.



Fig. 4 Workshop poster of 14th ACOMP course

Prof. Kwan Hoong Ng, University of Malaya, proposed the SEAFOMP Quiz at the congress to strengthen the young and active medical physicists, to encourage the collaboration, and the bonding among SEAFOMP members. “SEAFOMP-Anchali Krisanachinda Medical Physics Quiz” is an official program on this congress. The committee members were Prof. Kwan Hoong Ng and Dr. Yeong Chai Hong from Malaysia, Dr. Nur Rahmah Hidayati from Indonesia, and Dr. Taweap Sanghangthum from Thailand served as quiz masters. The quiz was held on the last day before the closing ceremony through the Kahoot platform. Two junior medical physicists from SEAFOMP members, Cambodia, Indonesia, Laos, Malaysia, Myanmar, the Philippines, Singapore, and Thailand participated the quiz. Twenty from thirty questions were on medical physics topics and ten questions were on SEAFOMP-related topics. Fig. 5 shows the first, second, and third winners named Mr. Jacobs Mata from the Philippines, Miss Mananchaya Vimolnoch from Thailand, and Miss Sararas Intarak from Thailand, respectively.



Fig. 5 Three winners for SEAFOMP-Anchali Krisanachinda Medical Physics Quiz

After the quiz, Dr. James Lee, the Co-Chair of the local scientific committee of the IUPESM- World Congress on Medical Physics & Biomedical Engineering (IUPESM WC2022) and the 20th SEACOMP had announced the mentioned congress which will be held hybrid on 12-17 June 2022 in Singapore.

Dr. Anchali Krisanachinda gave the closing remarks including the announcement on the SEAFOMP oral presentation awards. The best presenters in radiotherapy was Miss Dainna Recel Pamisa from the Philippines, in diagnostic radiology were Miss Riska Amilia from Indonesia and Mr. Abd Halim Mohd Fadhillah from Malaysia, in AI was Miss Sa-angtip Netprasert from Thailand. After that, the president announced the 4th SEAFOMP young leader awards (YLA) in recognition of the outstanding achievement of young medical physicists in the region. There were 4 medical physicists, Ms. Indah Lestariningsih from Indonesia, Dr. Aik Hao Ng from Malaysia, Ms. Julie P. Cruz from the Philippines, and Dr. Suphalak Khachonkham from Thailand (Fig. 6). Finally, the congress was adjourned with a group photo, online and onsite together (Fig. 7).



Fig. 6 The fourth young leader awardee, 4th YLA, (a) Ms. Indah Lestariningsih from Indonesia, (b) Dr. Aik Hao Ng from Malaysia, (c) Ms. Julie P. Cruz from the Philippines, and (d) Dr. Suphalak Khachonkham from Thailand.

III. CONCLUSION

The congress has successfully finished with the support from many organizations. We acknowledge with thanks all the organizations, SEACOMP & ACOMP 2021 committee members, the distinguished invited speakers, as well as all

colleagues who contributed and participated at the SEACOMP 2021 virtually. Last but not least, the appreciation for the continuous support from the local and regional vendors. The truly international friendly spirit at the SEACOMP 2021 was one of the main pivots of the success of SEACOMP 2021.



Fig. 7 The group photo at the closing ceremony

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