

# A report of attending “2nd Asia Pacific Conference on Medical and Health Science (APCMHS 2019)”

## **Detection of Pulmonary Tuberculosis Base on Convolutional Neural Networks**

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Country travelled: South Korea

Conference Venue: Tmark Grand Hotel Myeongdong, South Korea

Travel period: 31 May- 3 June 2019

1<sup>st</sup> July 2019

## **2nd Asia Pacific Conference on Medical and Health Science (APCMHS 2019)**

**1- 3 June 2019.**

### **Detection of Pulmonary Tuberculosis Base on Convolutional Neural Networks**

#### **Introduction**

International congress on 2nd Asia Pacific Conference on Medical and Health Science (APCMHS 2019) has been organized by the Higher Education Forum. The congress provided a forum for the scholars who are doing their research in multi dimension science field and interested to share their finding with wider forum.

#### **Purpose of visit**

International congress on 2nd Asia Pacific Conference on Medical and Health Science (APCMHS 2019) is a good and big platform to share the latest innovation on different field of Medical and Health Science. Therefore, the purpose of joining this conference was to share the research investigate the efficiency of CNN techniques for detecting the lesions indicative of pulmonary tuberculosis infection from digital x-ray images..

#### **Process**

International congress on 2nd Asia Pacific Conference on Medical and Health Science (APCMHS 2019) was a three days conference during 1 - 3 June 2019. The congress was organized in the Tmark Grand Hotel Myeongdong, Seoul, South

Korea and Higher Education Forum was the organizer of the congress. Scientists, students and Professor from all over the world were participated in the congress.

Asia Pacific Conference on Medical and Health Science on the Congress. Prof. Jun Wang, City University of Hong Kong, Hong Kong, was the Keynote speaker of the Medical & Health Science , Bioinformatics & Bioengineering , Medical Health & Engineering Technology and Medical Education & Teaching Science session. The goal of this conference is to bring together the researchers from academia and industry as well as practitioners to share ideas, problems and solutions relating to the multifaceted aspects of Medical Engineering, Medical Physics, Information Technology, Mental Health, Pharmaceutical Sciences and Chemistry. APCMHS 2019 is co-sponsored by Asia Pacific Environmental Science Research Center, (Hong Kong) and Singapore Management and Sports Science Institute, (Singapore). APCMHS 2019 is also technically co-sponsored by Technical University of Denmark, (Denmark), University of South Africa, (South Africa) and Tokyo Institute of Technology, (Japan).

The key agendas of International congress on 2nd Asia Pacific Conference on Medical and Health Science (APCMHS 2019) were, welcome Socializing event, Keynote speech, oral presentation, and poster presentation. The welcome socializing event was the opportunities to acquaint with South Korea culture, people and education as well. I participated on all the three days events from 1 - 3 June 2019. I shared my research investigate the efficiency of CNN techniques for

detecting the lesions indicative of pulmonary tuberculosis infection from digital x-ray images and the performance of CNN techniques utilizing VGG-13, Resnet-34 and Alexnet to increase the effectiveness of detection for lesions indicative of pulmonary tuberculosis infection.

### **Experience and Suggestions:**

All APCMHS 2019 paper were presented on the congress, most people from Japan, Korea, China, Singapore, Taiwan, Hong Kong, Philippines, Thailand, and India. Due to multidimension team, multidimensional quarries and suggestion were provided.

## Some snaps of Congress activities



Some snaps of Congress activities



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Singapore  
Management and  
Sports Science  
Institute

## Oral Presentation Certificate

**2019 2nd Asia Pacific Conference on Medical and Health Science  
(APCMHS 2019)**

**APCMHS-METS 2019, IWBB 2019 and  
ICMHET 2019 are co-held with APCMHS 2019**

June 1-3, 2019, Seoul, South Korea

We are delighted to declare the paper

Detection of Pulmonary Tuberculosis Based on Convolutional Neural Networks

written by Krit Sriporn and Cheng-Fa Tsai

has met the high standard of requirements from our Committee.

This is to certify your efforts and excellent presentation.

Organizing Committee

