

## **XI Imaging Summit 2021 國際影像高峰會暨醫學影像人工智慧國**

### **際研討會**

9/2/2021 1 研發處

**XI Imaging Summit 2021 國際影像高峰會暨醫學影像人工智慧國際研討會**

第十一屆國際影像高峰會將於 2021 年 10 月 30 日在臺北醫學大學舉辦，今年大會主題是「人工智慧影像如何改變我們的臨床影像工作」（How medical image AI has transformed the practice）。

如今人們對人工智慧醫療影像的話題已經不是三年前的如何取代放射科醫師，而是放射科醫師如何擁抱人工智慧，以期提高工作效率，並且達到精準的要求。

在全球老化的風潮下，影像診斷的工作量只會越來越重，醫療人力永遠追不上影像報告量，人工智慧可以成為放射科醫師的第三隻眼睛（fellow in the box），協助快速找到病灶，尤其是肉眼無法辨識的影像與治療建議也可以透過深度學習的模型來協助預測。

今年的高峰會議程涵蓋三大疾病（急性腦中風，腦瘤，和肺節結節檢）相關人工智慧軟體商品（SaMD: Software as Medical Device）在國際與台灣發展最新趨勢。在惡性腦膠質瘤方面請到日韓台的頂尖專家探討如何將人工智慧運用到腦瘤診斷與臨床流程，在急性腦中風方面我們請到國際知名產品 Rapid AI 創辦人-史丹佛 Albers 教授、加州爾灣 Peter Chang 教授和日本九州 Kudo 教授談中風軟體研發和臨床運用，同時也請到國內愛因斯坦人工智慧創辦人周博士探討台灣中風產品新創。在肺節結節檢方面，我們請到西門子專員報告美國如何用人工智慧協助放射科醫師執行肺癌篩檢，再加上台大張允中教授和北醫陳彥廷助理教授展示台灣研發的肺節結模型與臨床運用的經驗，精彩可期。

本次高峰會採現場與線上直播，歡迎大家報名實體場（限 25 名）以方便現場與講師互動及交流，並請務必到場。

**日期：2021 年 10 月 30 日 星期六 09:30 ~ 17:00**

**地點：臺北醫學大學醫學綜合大樓前棟 4 樓 誠樸廳**

**實體報名網址：<http://event.tmu.edu.tw/actnews/?Sn=4240>**

**報名截止日期：2021 年 10 月 21 日 星期四**

**線上直播連結：<https://www.youtube.com/watch?v=3HosLuYn8V8>**

臺北醫學大學校級人工智慧醫療研究中心

臺北醫學大學附設醫院轉譯影像研究中心  
敬邀

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Venue 4F, United Medical Building (Front Building) Taipei Medical University  
臺北醫學大學醫學綜合大樓前棟4樓 圓形會議室 (高樓廳)

Agenda

09:30-10:00	Registration	
10:00-10:05	Opening	Speaker: Prof. Chien-Huang Lin, President of Taipei Medical University
10:05-10:10	Opening	Speaker: Prof. Wen-Yao Gao, Vice President   President-elect of The World Federation of Neuro-radiological Societies
10:10-11:50	Session 1 : Radiogenomics In Glioma Transforms Practice	
10:10-10:40	AI and Radiomics Into Clinical Workflow in Brain Tumor	Speaker: Assistant Prof. Ji Eun Park (MD, Ph.D., Korea) Department of Radiology and Research Institute of Radiology, University of Ulsan College of Medicine, Asan Medical Center, Seoul, Korea
10:45-11:05	"Radiomics" and "Radiogenomics" for Glioma Management	Speaker: Associate Prof. Khin Khin The (MD, Ph.D., Japan) Global Center for Biomedical Science and Engineering, Faculty of Medicine, Hokkaido University, Japan
11:10-11:30	Tea Break	
11:30-11:50	Finding Glioblastoma's Choked Points through Radiogenomics	Speaker: Prof. Sandy Cheng-Yu Chen (MD, Taiwan) Director, Research Center for Artificial Intelligence in Medicine, Taipei Medical University
11:55-12:15	Session 2 : Lung Nodule Detection AI Transforms Practice (1)	
11:55-12:15	Use of AI to assist radiologists in identifying lesions in screening programs	Speaker: David Truncer (USA) Global Marketing Manager, Siemens Healthineers, Malvern, PA
12:20-14:00	Lunch Break	
14:00-15:35	Session 3 : Stroke AI Transforms Practice	
14:00-14:20	Deep Learning AI for Stroke Imaging: From Conception Through Commercialization	Speaker: Assistant Prof. Peter Cheng (MD, USA) Assistant Professor in Residence, Department of Radiology & Neurology, University of California, Irvine Co-Director, Center for Artificial Intelligence in Diagnostic Medicine, University of California, Irvine
14:25-14:45	Clinical Applications of Artificial Intelligence in Acute Stroke Imaging	Speaker: Prof. Gregory W. Albers (MD, USA) Coyote Foundation Professor, Neurology and Neurological Sciences Director, Stanford Stroke Center, Stanford University Medical Center
14:50-15:10	The Practice of The AI-Based Triage System on Brain CT	Speaker: CEO David Chou (Taiwan) Founder and CEO of DeepoT
15:15-15:35	Development of Automated Perfusion / Diffusion Analysis Program "PMAneo"	Speaker: Prof. Kohsuke Kudo (MD, Ph.D., Japan) Department of Diagnostic Imaging, Hokkaido University Graduate School of Medicine
15:40-16:00	Tea Break	
16:00-16:45	Session 4 : Lung Nodule Detection AI Transforms Practice (2)	
16:00-16:20	The development and application of artificial intelligent (AI) in lung cancer screening on CT	Speaker: Prof. Yeun-Chung Chong (MD, Ph.D., Taiwan) Professor of Radiology, National Taiwan University College of Medicine Chief, Cardio-pulmonary imaging, Department of Medical Imaging, National Taiwan University Hospital
16:25-16:45	Deep-Lung: Multi-model AI imaging health platform for healthy aging	Speaker: Assistant Prof. David Yen-Ting Chen (MD, Taiwan) Radiologist, Department of Radiology, Taipei Medical University-Shuang Ho Hospital, Ministry of Health and Welfare Deputy Director, Research Center for Artificial Intelligence in Medicine, Taipei Medical University
16:50-17:00	Closing Remarks	Speaker: Prof. Sandy Cheng-Yu Chen

中華民國神經放射線醫學會 30 學分  
中華民國放射線醫學會教育積分 8 分 / 認定時數 6 小時

主辦單位



協辦單位

