

Imaging Summit 2024

國際影像高峰會

Date: Oct. 19th (Saturday) 2024

Venue: 4F, United Medical Building (Front Building) Taipei Medical University, Taiwan
臺北醫學大學 醫學綜合大樓前棟 4 樓 誠樸廳

Main theme: Generative AI and Medical Images

Agenda

09:30-10:00	Registration	
09:30-10:00	Tea Break	
10:00-10:05	Opening	
	<i>Speaker</i>	Prof. Kuan-Yu Hung Executive Vice President of Taipei Medical University
10:05-10:10	Opening	
	<i>Speaker</i>	Prof. Wan-Yuo Guo President of The World Federation of Neuroradiological Societies
10:10-10:15	Opening	
	<i>Speaker</i>	Prof. Tchoyoson Lim President of Asian-Oceanian Society of Neuroradiology and Head & Neck Radiology
10:15-10:20	Group photo	
10:20-10:40	Brain Tumors: Imaging and Molecular Updates	
*Teleconference	<i>Speaker</i>	Prof. Mai-Lan Ho (M.D., USA) Professor of Radiology, Chair of Women in Medicine and Medical Sciences, Director of Interdisciplinary Neuroscience Program, University of Missouri, Columbia, MO
	<i>Moderator</i>	Prof. Sandy, Cheng-Yu Chen Distinguished Professor, Department of Radiology, College of Medicine, Taipei Medical University
10:45-11:05	Foundational Models in Neuroradiology	
*Teleconference	<i>Speaker</i>	Associate Prof. Peter Chang (M.D., USA) Associate Professor, Department of Radiological Sciences, University of California, Irvine Co-Director, Center for Artificial Intelligence in Diagnostic Medicine, University of California, Irvine Co-Founder and Chief Medical Officer, Avicenna.ai, La Ciota, France
	<i>Moderator</i>	Prof. Ping-Hong Lai

Director of Neuroimaging, Department of Radiology, Kaohsiung Veterans General Hospital

11:10-11:40

Where to now with AI? The Humans are Dead

Speaker

Prof. Meng Law (M.D., Australia)

Professor and Director of Radiology and Nuclear Medicine, Alfred Health

Director of iBRAIN – Integrated Biomedical Research in AI and Neuroimaging, Monash University

Professor Departments of Neuroscience, Electrical and Computer Systems Engineering, Monash University

Moderator

Prof. Wan-Yuo Guo

Emeritus Professor, Department of Radiology, Taipei Veterans General Hospital

11:45-12:15

ChatGPT and Multimodal LLMs: Potential Impact on Healthcare

Speaker

Prof. George Shih (M.D., USA)

Professor and Vice-Chair for Informatics, Department of Radiology, Weill Cornell Medical College, New York-Presbyterian Hospital
Co-founder, MD.ai, Inc

Moderator

Prof. Wei-Che Lin

Radiologist, Division of Neuroradiology, Kaohsiung Chang Gung Memorial Hospital

12:20-13:30

Lunch Break

13:30-13:50

CNS manifestations of infection: are we future-ready?

Speaker

Prof. Tchoyoson Lim (M.D., Singapore)

Senior Consultant, Department of Neuroradiology, National Neuroscience Institute

Adjunct Professor, Duke-NUS

Moderator

Dr. Sho-Jen Cheng

Chairman, Department of Medical Imaging, Taipei Medical University Hospital

13:55-14:15

Real-world LLM application in Radiology Reporting

Speaker

Prof. George Shih (M.D., USA)

Professor and Vice-Chair for Informatics, Department of Radiology, Weill Cornell Medical College, New York-Presbyterian Hospital
Co-founder, MD.ai, Inc

Moderator

Prof. Wei-Chou Chang

Chairman, Department of Radiology, Tri-Service General Hospital

14:20-14:40

Generative AI in Brain Tumor

Speaker

Assistant Prof. Yae Won Park (M.D., Ph.D., Korea)

Assistant Professor, Department of Radiology, Yonsei University College of Medicine, Severance Hospital, Seoul

Moderator

Prof. Yuan-Hsiung Tsai

Radiologist, Department of Medical Imaging, Chiayi Chang Gung Memorial Hospital

14:45-15:05 **GAI in medical image – The radiologist’s perspective**

- Speaker* **Dr. Yu-Cheng Huang (M.D., Taiwan)**
Attending Physician, Department of medical imaging, National Taiwan University Hospital
- Moderator* **Dr. Yueh-Hsun Lu**
Chairman, Department of Radiology, Taipei Medical University-Shuang Ho Hospital, Ministry of Health and Welfare

15:10-15:30 Tea Break

15:30-15:50 **Leveraging Generative AI in Medical Imaging: An Informatics Engineering Perspective**

- Speaker* **Assistant Prof. Po-Chih Kuo (Ph.D., Taiwan)**
Assistant professor, Department of Computer Science, National Tsing Hua University
- Moderator* **Prof. Kwo-Whei Lee**
Superintendent, Yuanlin Christian Hospital

15:55-16:15 **MMoE and ViT in medical image – The game changer?**

- Speaker* **Assistant Prof. Rennie Yung-Chieh Chen (M.D., Ph.D., Taiwan)**
Assistant professor, Department of Radiology, School of Medicine, Taipei Medical University
Attending Neuroradiologist, Department of Medical Imaging, Taipei Medical University Hospital
- Moderator* **Dr. Yu-Kun Tsui**
Division Director of Neuroradiology, Department of Diagnostic Imaging, Chi Mei Medical Center

16:20-16:40 **Diffusion Model in Neuroimaging Application**

- Speaker* **Assistant Prof. Yae Won Park (M.D., Ph.D., Korea)**
Assistant Professor, Department of Radiology, Yonsei University College of Medicine, Severance Hospital, Seoul
- Moderator* **Assistant Prof. Yen-Jun Lai**
Chief of Medical Imaging, Radiology Department, Far Eastern Memorial Hospital

16:45-16:55 **Closing Remarks**

- Speaker* **Prof. Sandy, Cheng-Yu Chen (M.D., Taiwan)**
Chair, Imaging Summit