



Register Now

University of Tsukuba - National Taiwan University

Joint Symposium on Digital Health and Medicine 2023

September 29th 2023 (Admission Free) Room 110, Laboratory of Advanced Research A, University of Tsukuba
1-1-1 Tennodai, Tsukuba, Ibaraki 305-8577 Japan

Morning Session			
Time (JP)	Subject	Speaker/Affiliation	Moderator
08:30 - 09:00		Reception	
09:00 - 09:10	Opening Remark	<ul style="list-style-type: none"> • Prof. Jun Ikeda, Vice President and Executive Director for Global Affairs of UT • Prof. Hsiao-Wei Yuan, Vice President for International Affairs of NTU 	
09:10 - 09:15		Group Photo	
09:15 - 09:55	Fostering Well-Being through Collaboration of Medicine and AI	Tetsuya Sakurai Director, C-AIR Professor, Institute of Systems and Information Engineering, UT	Prof. Li-Chen Fu
09:55 - 10:35	The Roadmap of Telehealth in the Future	Yi-Lwun Ho Associate Dean, College of Medicine, NTU Director, Internal Medicine, NTUH Director, Telehealth Center, NTUH	
10:35 - 11:00		Coffee Break & Poster Session	
11:00 - 11:25	Privacy-preserving data collaboration analysis for multiple medical institutions	Akira Imakura Associate Professor, Institute of Systems and Information Engineering, UT	Prof. Hiroyuki Nishiyama
11:25 - 11:50	Transforming Big Data to Better Healthcare Through a Medical Data Analytics Framework	Weichung Wang Professor, MeDA Lab and Institute of Applied Mathematical Sciences, NTU	
11:50 - 13:20		Lunch Break & Poster Session	
Afternoon Session			
13:20 - 13:30		Reception	
13:30 - 13:55	Spectral methods for dimensionality reduction, clustering, and network embedding in biological data analysis	Yasunori Futamura Associate Professor, Institute of Systems and Information Engineering, UT	Prof. Weichung Wang
13:55 - 14:20	Biomedical Applications of Machine Learning & AI for Drug Design and Biosensors	Chii-Wann Lin Professor, Biomedical Engineering, NTU	
14:20 - 14:35	Glioblastoma Prognosis Classification: Integrating Clinical Experience with Artificial Intelligence	Hsiang-Kuang Tony Liang Director, Division of Proton Therapy Center, NTU Cancer Center; Assistant Professor, Biomedical Engineering, NTU	Prof. Takahito Nakajima
14:35 - 14:50	AI in radiotherapy: Real-time lung tumor tracking with X-ray images	Toshiyuki Terunuma Research Associate, Proton Medical Research Center, UT	
14:50 - 15:15	Empirical Myoelectric Feature Extraction and Pattern Recognition in Hemiplegic Distal Movement Decoding	Alexander Zaboronok Assistant Professor, Department of Neurosurgery, Institute of Medicine, UT	
15:15 - 15:40		Coffee Break & Poster Session	
15:40 - 16:05	Depression Detection and Emotional Support with Social Assistant Robot	Li-Chen Fu Director, AIROBO Chair Professor, NTU	Prof. Tetsuya Sakurai
16:05 - 16:30	Enhancing Dementia Detection and Cognitive Well-Being in Older Adults Through Human-Robot Interaction	Yu-Ling Chang Professor, Department of Psychology; Director, Imaging Center for Integrated Body, Mind, and Cultural Research	
16:30 - 16:55	Psychiatric neuroimaging using with diffusional MRI	Miho Ohta Professor, Department of Psychiatry, Institute of Medicine, UT	Prof. Chii-Wann Lin
16:55 - 17:20	Using AI for Liver Disease Management	Tung-Hung Su Clinical Associate Professor, Dept. Internal Medicine, NTU	
17:20 - 17:25	Closing Remarks	Prof. Li-Chen Fu Prof. Tetsuya Sakurai	

