

# International Symposium on Human Welfare Engineering for Smart-Aging

Date: April 3 (MON), 2023

## Program

Chair Dr. Xiaoyong ZHANG, Associate Professor  
National Institute of Technology, Sendai College  
Smart Aging Research Center, Tohoku University

13:30~13:35 (UTC +9, Tokyo)	<b>Opening address</b> by Dr. Noriyasu HOMMA, Professor Tohoku University Graduate School of Medicine & Human Welfare Engineering Division, Smart Aging Research Center
13:35~14:15	Special lecture 1 Title: <b>Data Driven Service Research</b> Dr. Shuo-Yan CHOU Distinguished Professor & Director of Center for Internet of Things Innovation, Department of Industrial Management, National Taiwan University of Science and Technology 
14:15~14:55	Special lecture 2 Title: <b>Decision Theory</b> Dr. Quoc Dat Luu Associate Professor, Vietnam National University (Hanoi) 
14:55~15:05	Break
15:05~15:30	Special lecture 3 Title: <b>Application of Classification and Clustering Approaches in Medical</b> Dr. Ferani Eva Zulvia Associate Professor, School of industrial engineering and engineering management, Mapua University 
<b>Student session</b>	
15:30~15:45	Title: <b>Reliability Evaluation of Deep Learning Models for Drowning Diagnosis Using Post-Mortem CT</b> Yuwen Zeng, Xiaoyong Zhang, Kei Ichiji, Ivo Bukovsky, Noriyasu Homma Graduate School of Biomedical Engineering, Tohoku University
15:45~16:00	Title: <b>Data-Driven Decision Making for Replenishment in RMFS</b> Moritz Sontheimer National Taiwan University of Science and Technology
16:00~16:15	Title: <b>A Hybrid RF-LSTM Based on CEEMDAN for Improving the Accuracy of Building Energy Consumption Prediction</b> Irene Karijadi National Taiwan University of Science and Technology
16:15~16:20	<b>Closing address</b> by Dr. Norihiro SUGITA, Professor Cyberscience Center, Tohoku University

Registration deadline: March 31 (Friday), 2023 / 参加申し込み 3/31(金)締切



<https://forms.gle/pQEhfTeK4XxccL6H7>

\*We will stop accepting applications when the number of applicants reaches the quota / 定員に達し次第、締切りいたします。

\*Zoom link will be sent for online participation / 遠隔参加申し込みの方には、後日参加 URL をお知らせいたします。

For further information, please contact us at / お問い合わせ [conf@rii.med.tohoku.ac.jp](mailto:conf@rii.med.tohoku.ac.jp)

**Onsite: Tohoku University School of Medicine, School of Medicine Building 1 (B 01)**  
2<sup>nd</sup> Meeting Room

会場：東北大学大学院医学系研究科 医学部 1号館 (B06) 2階 大会議室 (医学部)



Sponsor: Human Welfare Engineering Division, Smart Aging Research Center, Tohoku University

Co-sponsors:

- SICE Tohoku Chapter
- AI Applied Medicine Division, ART, Tohoku University Graduate School of Medicine
- Systems Control Sub-Group, Study Groups on Electrical Communication, Tohoku University