

The 1st International Workshop on AI-empowered Digital Health and Well-being Promotion (AI-DHWP)

October 21-24, 2025, Hakodate City, Hokkaido, Japan

With the spread of information technology in healthcare, there is growing interest in using AI to support health management and well-being in daily life. As more data become available from wearables, sensors, and online platforms, new possibilities emerge for understanding health conditions, human behaviors, and predicting health risks.

This workshop focuses on AI-empowered and human-centered approaches that apply to healthcare. It aims to promote digital health technologies that provide opportunities to support healthcare. We hope to bring together researchers to explore how AI can contribute to health and well-being promotion.

Topics of interest include, but are not limited to:

- Big Data Analytics in Health
- Causal Discovery and Inference in Health
- Multimodal Data Fusion in Health
- Health Analysis with Wearable Sensor & IoT Data
- Health Analysis with Social Media Data
- Biometric Analysis (gait, eye-tracking, falls, etc.)
- AI for Human Behavior Modeling
- AI for Aging and Gerontechnology
- AI for Digital Mental Health
- AI Agents for Digital Health
- Explainable AI for Digital Health
- Machine Learning and Deep Learning for Healthcare
- Data-Driven Smart Health Applications
- Human-AI Interaction for Health and Well-being Promotion
- Metaverse and Digital Twin for Healthcare
- Blockchain and Federated Learning for Digital Health
- Privacy Protection Concern in Digital Health
- Ethics, Security, and Fairness in Digital Health

Submission and Publication

The submitted papers should be **4-6 pages** long including figures and references and prepared in IEEE CS Proceedings format.

We also welcome **Position Statement Papers (2-4 pages)**, which present novel ideas, hypotheses, and emerging research directions in AI for digital health.

All accepted papers will be published in IEEE CPS Proceedings (IEEE-DL and EI indexed).

Important Dates

- Paper Submission Due: **2025-06-27**
- Author Notification: **2025-08-11**
- Camera-ready Submission Due: **2025-09-12**

All submitted papers will be peer-reviewed by two or three experts in the field based on originality, relevance, clarity, and technical quality.

Please follow the guideline in IE EE CyberSciTech 2025 Site (<http://cyber-science.org/2025/cyber-scitech/>) to submit your work via EDAS (<https://edas.info/N33760>).

General Chairs

Yegang Du,
Tohoku University, Japan
yegang.du.b8@tohoku.ac.jp

Kiichi Tago,
Chiba Institute of Technology,
Japan
kiichi.tago@p.chibakoudai.jp

Program Chairs

Ruichen Cong,
Waseda University, Japan
rcong@aoni.waseda.jp

Wahbi El-Bouri,
University of Liverpool, UK
W.El-Bouri@liverpool.ac.uk