

The University of Melbourne & Hokkaido University Advancing Digital Health & Medical AI

Chair:

Katsuhiko Ogasawara, Faculty of Health Sciences, HU
Mike Conway, Engineering and IT, UoM

Friday 6 September 2024

9:30-17:25(JST) / 10:30-18:25(AEDT)

Hybrid (online and in-person):
E106, Faculty of Health Sciences,
Hokkaido University

About the Workshop

The workshop aims to strengthen research and development collaboration between the University of Melbourne and Hokkaido University, two leading research universities in Australia and Japan with similar healthcare environments, in the area of next-generation digital health, including joint medical AI, machine learning and healthcare information systems.

Speakers



Register with link or QR code
Participation is free.

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Hokkaido University – University of Melbourne Joint Research Workshops

The University of Melbourne & Hokkaido University Advancing Digital Health & Medical AI

Programme

JST	AEDT	
9:30	10:30	<u>Opening Remarks</u> Prof. Rika Yano, Dean, Faculty of Health Sciences, HU
9:45	10:40	<u>Session 1: Current Status of Data Health</u> Chair: Katsuhiko Ogasawara, Faculty of Health Sciences, HU Speaker 1, Kazuhiro Abe, Faculty of Health Sciences, HU “Advancing Data-Based Health Management” Speaker 2, Karin Thursky, Medicine, Dentistry and Health Sciences, UoM “How can Clinicians Drive the Meaningful Use of AI in Healthcare”
10:55	11:55	BREAK
11:10	12:10	Speaker 3, Soki Maeda, Graduate school of Health Sciences, HU “Analysis of Sapporo Health Awareness Survey Using Latent Class Analysis” Speaker 4, Mike Conway, Engineering and IT, UoM “Natural Language Processing and Mental Health: Progress and Pitfalls” Speaker 5, Daniel Cabrera Lozoya, Engineering and IT, UoM “Synthetic Data for Machine Learning in Mental Health: Optimization Strategies, Applications, and Evaluation Studies”
12:55	13:55	LUNCH BREAK
14:00	15:00	<u>Session 2: Data Health and AI</u> Chair: Mike Conway, Engineering and IT, UoM Speaker 1, Ren Togo, Faculty of Information Science and Technology, HU “Research Trends in Generative AI and Its Applications in the Medical Field” Speaker 2, Daniel Capurro, Engineering and IT, UoM “AI-Based Interventions, an Evidence-to-Recommendations Framework”
15:10	16:10	BREAK
15:25	16:25	Speaker 3, Hiroyuki Sugimori, Faculty of Health Sciences, HU “Practical Applications of AI in Medical Imaging: A Radiological Technologist’s Perspective ” Speaker 4, Vlada Rozova, Medicine, Dentistry and Health Sciences, UoM “AI in Healthcare: Case Studies on Design, Implementation, and Transportability.” Speaker 5, Ayako Yagahara, Faculty of Health Sciences, Hokkaido University of Science “Medical Natural Language Processing in Japanese Language”
17:10	18:10	<u>Closing Remarks</u> Dr. Mike Conway, Engineering and IT, UoM

Enquiries

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