2026 International Conference on Artificial Intelligence for Health and Education (ICAIHE 2026)

July 8 - 10, 2026, Waseda University, Tokyo, Japan
https://icaihe.org/

Advance Program (Tentative)

Table of Contents

ICAIHE 2026 & BIOTC 2026 Program at a glance					
Pre (7/7)	15:00 - 17:00	Registration			1F Lobby/4F
Day 1 (7/8)	09:00 - 18:00	Registration			1F Lobby
	09:20 - 09:40	Opening Ceremony			1F Ibuka Hall
	09:40 - 10:20	ICAIHE Keynote 1			
	10:20 - 10:40	Coffee Break			3F
	10:40 - 11:20	ICAIHE Keynote 2			1F Ibuka Hall
	11:20 - 12:00	BIOTC Keynote 1			
	12:00 - 13:00	Lunch			3F
	Room	Room 1	Room 2	Room 3	
	13:00 - 14:30	ICAIHE-1	ICAIHE-2	ICAIHE-WKSP1	
	14:30 - 15:30	ICAIHE-3	ICAIHE-4		
	15:30 - 15:50	Coffee Break			
	15:50 - 16:20	BIOTC Invited Talk			1F Ibuka Hall
	16:20 - 17:50	ICAIHE Panel Discussion			
	18:30 - 20:30	Conference Banquet			TBA
Day 2 (7/9)	09:20 - 10:00	BIOTC Keynote 2			1F Ibuka Hall
	10:00 -10:20	Coffee Break			3F
	Room	Room 1	Room 2	Room 3	
	10:20 - 12:00	ICAIHE-5	BIOTC-1	ICAIHE-WKSP2	
	12:00 - 13:00	Lunch			
	13:00 - 14:30	ICAIHE-6	ICAIHE-WKSP4	ICAIHE-WKSP5	
	14:30 - 15:30	ICAIHE-WKSP3			
	15:30 - 17:00	Social Activity			Waseda Campus
Day 3 (7/10)	Zoom Room	Zoom 1	Zoom 2	Zoom 3	Online
	09:00 - 10:30	ICAIHE-7	BIOTC-2	ICAIHE-8	
	10:30 - 12:00	ICAIHE-9	ICAIHE-10	ICAIHE-11	

Presentation Guidelines and Room Information

Conference Time and Language

The time for the conference program is based on UTC+9, Japan Standard Time (JST). The presentation language is English.

Conference Venue

International Conference Center, Waseda University, Tokyo, Japan

Address: 1-20-14 Nishiwaseda, Shinjuku-ku, Tokyo, 169-0051, Japan

For Authors

Please note that all accepted papers require an oral presentation at the conference (either on-site or online). The presentation time slots are allocated as follows (for ICAIHE 2026, and all associated workshops):

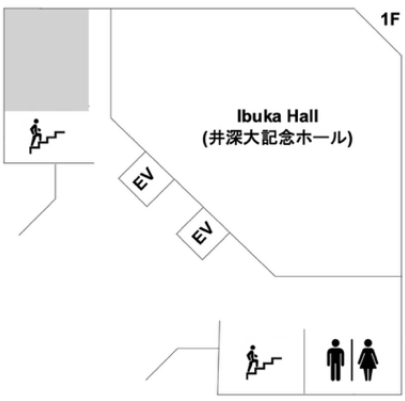
- Full Papers: 15 minutes presentation + 3 minutes Q&A
- Short Papers & Work-in-Progress (WiP) Papers: 10 minutes presentation + 2 minutes Q&A

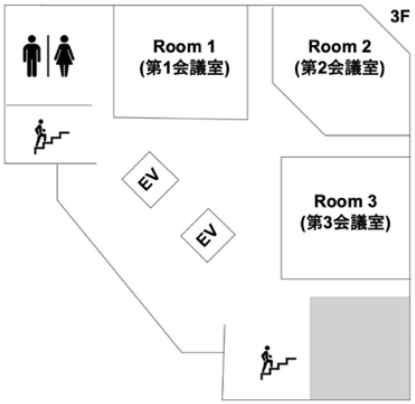
Please confirm your attendance with the Session Chair before the session. Refer to this advance program to confirm the exact time of your session and the specific order of paper presentation in your session. You are encouraged to use your own PC for presentation in your session.

For Session Chairs

Session Chairs are requested to be in the room at least 10 minutes before their sessions. According to the number of papers and presenter's attendance in a session, its session chair can adjust the Q&A time but must ensure that the allocated time for the session is not exceeded.

Room Information





Zoom Room 1	
ID	917 8349 7991
Passcode	293946
Zoom Room 2	
ID	918 8536 1461
Passcode	992316
Zoom Room 3	
ID	982 3221 9092
Passcode	421184

Message from ICAIHE 2026 General Chairs

Over the past decade, with the rapid advancement of cutting-edge computing and communication technologies and digital resources, Artificial Intelligence (AI) has sparked growing interest in the fields of healthcare and education, giving rise to a variety of AI-enhanced technologies designed to promote human well-being in the extensive areas of health and learning. As the volume of data, from the Internet of Things, wearable devices, sensors, social media, and numerous other online platforms, continues to grow, new possibilities and opportunities are emerging to leverage this data and AI to drive transformation in the fields of digital health and learning.

ICAIHE 2026 builds on the success of the two previous international workshops, International Workshop on AI-Empowered Digital Health and Well-being Promotion (AI-DHWP 2025), held in connection with the 10th IEEE Cyber Science and Technology Congress (IEEE CyberSciTech 2025) from October 21-24, 2025, at Hakodate, Japan, and International Workshop on LLM and Agentic AI for Personalized Learning (LAAPL 2025), held in connection with the Joint Conference of 24th International Conference on Web-Based Learning and 10th International Symposium on Emerging Technologies for Education (ICWL-SETE 2025) from November 30 to December 3, 2025, at Hong Kong, China.

ICAIHE 2026 will provide a platform for scholars, practitioners, and graduate students from a wide range of related research fields—including AI, big data, healthcare, education, human-computer interaction—to exchange ideas, engage in in-depth discussions on innovative AI-enhanced applications in the fields of health, medicine, education and learning, and explore ethical considerations and future directions regarding the integration of emerging AI technologies and solutions into various scenarios related to human well-being.

We are truly honored to have assembled such an outstanding organizing committee, which is key to ensuring the event's success. We would like to extend our sincere gratitude to all members of the Organizing Committee for their hard work and efficient collaboration, particularly the Honorary Chairs, Profs. Jamal Deen and Atsushi Ogihara, Program Chairs, Profs. Xiaokang Zhou, Yan Wang, Xin Zhu, Gabor Kiss and Shigeto Ozawa, Local Organizing Chairs, Profs. Ruichen Cong, Kiichi Tago and Xin Qi, Workshop Chairs, Profs. Bo Wu, Anna Kobusińska, Jian Chen and Weimin Li, Special Issue Chairs, Profs. Yegang Du, Tianyong Hao and Chengjiu Yin, Publicity Chairs, Profs. Wahbi El-Bouri, Kanoksak Wattanachote, Mohammed Aquil Mirza and Hong Chen, Publication Chairs, Profs. Ruichen Cong and Yishui Zhu, and Advisory Committee Chairs, Profs. Qing Li, Jie Li and Shoji Nishimura.

We would like to express our deep gratitude for the tremendous support we have received from the Advanced Research Center for Human Sciences, Waseda University, Japan. We would like to convey our profound gratitude to the keynote speakers, Prof. Yanchun Zhang and Prof. Hiroaki Ogata, for their insightful speeches and the panelists for their stimulating discussions. Last but not least, we would like to offer our utmost gratitude to all the authors who submitted their papers.

We warmly welcome all presenters and participants to ICAIHE 2026. We are confident that ICAIHE 2026 will provide all attendees with a memorable and meaningful experience.

Qun Jin, Guandong Xu, and Oscar Lin
General Chairs of ICAIHE 2026

Message from ICAIHE 2026 Program Chairs

ICAIHE 2026 focuses on AI-enhanced and data-driven approaches to health and education. It aims to leverage advanced AI technologies to provide new opportunities in the healthcare and education sectors. This conference is committed to bring together researchers to explore how these cutting-edge AI technologies can optimize human health and learning environments, and to demonstrate how these emerging technologies can drive transformative practices that promote human well-being.

To address the comprehensive nature and emerging challenges of on AI for health and education, ICAIHE 2026 offers three technical tracks on the topics of Emerging AI Technologies for Health and Education, AI-Enhanced Healthcare and Medical Services, and AI-Enhanced Education and Learning.

Overall, ICAIHE 2026 received 129 submissions, including 88 regular submissions and 41 workshop submissions, from 26 countries and regions covering a wide range of topics. All accepted papers are selected based on a rigorous peer review process. Finally, 42 regular papers, including 31 full papers, 8 short papers, and 3 work-in-progress papers, and 30 workshop papers, are included in the 2026 Proceedings, ranging from 20 countries and regions, including Canada, China, Taiwan, Hong Kong, Egypt, Germany, Ireland, India, Italy, Japan, Jordan, Pakistan, South Korea, Malaysia, Singapore, Thailand, the United Arab Emirates, the United Kingdom, the United States of America, and Vietnam with the accept rate of full regular papers as 35.2%.

We express our sincere appreciation to all authors for submitting their valuable work, and are particularly grateful to the reviewers, PC members, for their thoughtful feedback, constructive comments, and tireless efforts in maintaining the high quality of ICAIHE 2026.

A successful event always relies on a great publicity team, and special thanks must go to Publicity Chairs, Profs. Wahbi El-Bouri, Kanoksak Wattanachote, Mohammed Aquil Mirza, and Hong Chen. We thank Workshop Chairs, Profs. Bo Wu, Anna Kobusińska, Jian Chen, and Weimin Li, in inviting and organizing many interesting and topical workshops to enrich the coverage of the main conference. We also extend our deepest gratitude to Local Organizing Chairs, Profs. Ruichen Cong, Kiichi Tago, and Xin Qi, for their excellent work and substantial support.

We would like to take this chance to thank all members of the Organizing Committee and Steering Committee, especially Honorary Chairs, Profs. Jamal Deen and Atsushi Ogihara, Advisory Committee Chairs, Profs. Qing Li, Jie Li, and Shoji Nishimura, General Chairs, Profs. Qun Jin, Guandong Xu, and Oscar Lin, for their generous guidance and invaluable support. We gratefully acknowledge Waseda University, the Microsoft CMT Service, Springer Nature for their invaluable support, and many others, including the session chairs, who greatly contributed to ICAIHE 2026 in many ways.

The event will take place at Waseda University, Tokyo, Japan. We are delighted to welcome participants from around the world and look forward to hearing excellent keynote speeches and research presentations prepared by our colleagues from across the globe. We hope this conference will offer valuable insights and inspiration, fostering meaningful exchanges and collaborations.

We sincerely wish you an enjoyable and productive experience at ICAIHE 2026.

Xiaokang Zhou, Yan Wang, Xin Zhu, Gabor Kiss, and Shigeto Ozawa
Program Chairs of ICAIHE 2026

Message from ICAIHE 2026 Workshop Chairs

On behalf of the Workshop Organizing Committee of the 2026 International Conference on Artificial Intelligence for Health and Education (ICAIHE 2026), we warmly welcome you to the ICAIHE workshops.

Workshops are an important part of the main program of ICAIHE 2026. The selection of workshops was based on a careful review of the submitted proposals. Within the framework of ICAIHE 2026, we have accepted the following eight workshop proposals, which cover a range of important topics closely related to Emerging AI Technologies for Health and Education, AI-Enhanced Healthcare and Medical Services, and AI-Enhanced Education and Learning.

- International Workshop on AI-Enhanced Pedagogy for Creative Arts and Media Education: Process and Cultural Context (AICA 2026).
- International Workshop on Gen AI for Immersive Health and Education (GenAI-IHE 2026).
- International Workshop on Blockchain and Web3 for Education, Research, and Science (BERS 2026).
- International Workshop on AI + Frontiers in Social Medicine: Public Policy and Health Management (AI-SM-PPHM 2026).
- International Workshop on AI for Suicide Risk Assessment on Social Media (ASRAM 2026).
- International Workshop on Artificial Intelligence of Things for Empowering Lifestyle and Well-being (AIoT4LW 2026).
- International Workshop on Digitalization and Socialization of Elderly Care in the Age of Artificial Intelligence (DS-ECAI 2026).
- International Workshop on Advanced AI Systems for Clinical Practice: Integrating Genomic Analysis, Diagnostic Imaging, and Connected Healthcare (AASCP 2026).

The review of workshop papers is the responsibility of the workshop organizers, with the final evaluation and decision conducted jointly by the Conference Program Committee and the Workshop Chairs. In the end, we accepted a total of 30 workshop papers, including 18 full papers, 9 short papers, and 3 work-in-progress papers. The authors hail from 17 countries and regions, including Canada, China, Taiwan, Hong Kong, Egypt, Germany, Ireland, India, Italy, Japan, Jordan, South Korea, Malaysia, Singapore, the United Arab Emirates, the United Kingdom and Vietnam.

We would like to express our sincere gratitude to the workshop organizers, authors, and reviewers for their hard work and contributions. We are grateful to the Program Committee Chairs, the Conference General Chairs, and the Local Organizing Committee Chairs for their assistance and support, which made the success of ICAIHE 2026 and its associated workshops possible.

We hope you enjoy the exciting workshop program we have carefully curated for this conference.

Bo Wu, Anna Kobusińska, Jian Chen, and Weimin Li
Workshop Chairs of ICAIHE 2026

ICAIHE 2026 Organizing Committee

Honorary Chairs

Jamal Deen, *McMaster University, Canada*
Atsushi Ogihara, *Waseda University, Japan*

General Chairs

Qun Jin, *Waseda University, Japan*
Guandong Xu, *The Education University of Hong Kong, China*
Oscar Lin, *Athabasca University, Canada*

Program Chairs

Xiaokang Zhou, *Kansai University, Japan*
Yan Wang, *Macquarie University, Australia*
Xin Zhu, *Institute of Science Tokyo, Japan*
Gabor Kiss, *Obuda University, Hungary*
Shigeto Ozawa, *Waseda University, Japan*

Local Organizing Chairs

Ruichen Cong, *Waseda University, Japan*
Kiichi Tago, *Chiba Institute of Technology, Japan*
Xin Qi, *Waseda University, Japan*

Workshop & Special Session Chairs

Bo Wu, *Tokyo University of Technology, Japan*
Anna Kobusińska, *Poznań University of Technology, Poland*
Jian Chen, *Cyber University, Japan*
Weimin Li, *Shanghai University, China*

Special Issue Chair

Yegang Du, *Tohoku University, Japan*
Tianyong Hao, *South China Normal University, China*
Chengjiu Yin, *Kyushu University, Japan*

International Liaison & Publicity Chairs

Wahbi El-Bouri, *University of Liverpool, UK*
Kanoksak Wattanachote, *Mahidol University, Thailand*
Mohammed Aquil Mirza, *The Hong Kong Polytechnic University, China*
Hong Chen, *Xiamen Institute of Technology, China*

Publication Chair

Ruichen Cong, *Waseda University, Japan*
Yishui Zhu, *Chang'an University, China*

Advisory Committee

Qing Li, *The Hong Kong Polytechnic University, China*
Jie Li, *Shanghai Jiao Tong University, China*
Shoji Nishimura, *Waseda University, Japan*

Steering Committee

Qun Jin (Chair), *Waseda University, Japan*
Gabor Kiss, *Obuda University, Hungary*
Qing Li, *The Hong Kong Polytechnic University, China*
Jie Li, *Shanghai Jiao Tong University, China*
Weimin Li, *Shanghai University, China*
Oscar Lin, *Athabasca University, Canada*
Shoji Nishimura, *Waseda University, Japan*
Atsushi Ogihara, *Waseda University, Japan*
Yufeng Wang, *Nanjing University of Posts and Telecommunications, China*

ICAIHE 2026 Technical Program Committee

Program Chairs

Xiaokang Zhou, *Kansai University, Japan*
Yan Wang, *Macquarie University, Australia*
Xin Zhu, *Institute of Science Tokyo, Japan*
Gabor Kiss, *Obuda University, Hungary*
Shigeto Ozawa, *Waseda University, Japan*

Program Committee Members

Mohd Ashraf Ahmad, *University Malaysia Pahang, Malaysia*
Md Liakat Ali, *Rider University, USA*
Abul K.M. Azad, *Northern Illinois University, USA*
Azza Mohamed Basiouni, *Liwa University, UAE*
Dirman Hanafi Burhanuddin, *Universiti Tun Hussein Onn Malaysia, Malaysia*
Yinfeng Cao, *The Hong Kong Polytechnic University, China*
Giuseppe Carbone, *University of Calabria, Italy*
Qiang (Shawn) Cheng, *University of Kentucky, USA*
Xiaochun Cheng, *Swansea University, UK*
Wenqiang Cui, *KAUST, Saudi Arabia*
Minh-Son Dao, *National Institute of Information and Communications Technology, Japan*
Yujuan Ding, *The Hong Kong Polytechnic University, China*
Sathishkumar V E, *Sunway University, Malaysia*
Yasmeen George, *Monash University, Australia*
Wenhao Huang, *Keio University, Japan*
Alireza Heidari, *California South University, USA*
Chih-Ching Hsiao, *Formosa University, Taiwan*
Mo Hu, *Nanjing Normal University, China*
Xuan Huang, *Waseda University, Japan*
Palash Ingle, *Sejong University, South Korea*
Weiwei Jiang, *Beijing University of Posts and Telecommunications, China*
Seong Tae Kim, *Kyung Hee University, South Korea*
Anthony Kong, *The Hong Kong Polytechnic University, China*
Hao Kong, *Shanghai University, China*
Chao Yang Lee, *Yunlin University of Science and Technology, Taiwan*
Lu Leng, *Nanchang Hangkong University, China*
Lin Li, *Prairie View A&M University, USA*
Wanwan Li, *University of Tulsa, USA*
Chuan-Ming Liu, *Taipei University of Technology, Taiwan*

Man Fung Lo, *The University of Hong Kong, China*
Alexandre Lobo, *University of Saint Joseph(Macao), China*
Pascal Lorenz, *University of Haute Alsace, France*
Xinyu Lu, *The Chinese University of Hong Kong, Shenzhen, China*
Jabar Mahamood, *Zhejiang University, China*
Stefano Mariani, *Politecnico di Milano, Italy*
Mariofanna Milanova, *University of Arkansas, USA*
Anand Nayyar, *Duy Tan University, Vietnam*
Nitikarn Nimsuk, *Thammasat University, Thailand*
Toshimi Ogawa, *Tohoku University, Japan*
Marcin Paprzycki, *Polish Academy of Sciences, Poland*
Konstantinos Psannis, *University of Macedonia, Greece*
Artitayaporn Rojarath, *Mahasarakham University, Thailand*
Addisson Salazar, *Universitat Politècnica de València, Spain*
Wudhichart Sawangphol, *Mahidol University, Thailand*
Sathish Kumar Selvaperumal, *Asia Pacific University of Technology and Innovation, Malaysia*
Amir Akramin Bin Shafie, *International Islamic University Malaysia, Malaysia*
Sujala Deepak Shetty, *BITS Pilani Dubai, UAE*
Ping Tat Zackary Sin, *The Hong Kong Polytechnic University, China*
Olarik Surinta, *Mahasarakham University, Thailand*
João Manuel R. S. Tavares, *Universidade do Porto, Portugal*
Vassilis Triantafillou, *University of Peloponnese, Greece*
Huanting Wang, *Leeds University, UK*
Kevin I-Kai Wang, *The University of Auckland, New Zealand*
Xiangmeng Wang, *The Hong Kong Polytechnic University, China*
Yenjou Wang, *Daiichi Institute of Technology, Japan*
Zhiyuan Wen, *The Hong Kong Polytechnic University, China*
Yew Kee Wong, *Hong Kong Chu Hai College, China*
Anran Xu, *Riken, Japan*
Caie Xu, *Zhejiang University of Science and Technology, China*
Yinghan Xu, *Waseda University, Japan*
Razali Yaakob, *Universiti Putra Malaysia, Malaysia*
Yu Yang, *The Education University of Hong Kong, China*
Neil Yen, *The University of Aizu, Japan*
Bin Youn, *RMIT University, Vietnam*
Haiyang Yu, *Shanghai Jiao Tong University, China*
Rui Zhao, *Lanzhou University, China*
Liyun Zhou, *Waseda University, Japan*
Yen-Ting Lin, *National Pingtung University, Taiwan*

Main Organizers of Workshops

International Workshop on AI-Enhanced Pedagogy for Creative Arts and Media Education: Process and Cultural Context (AICA 2026).

Bin Youn (Chair), RMIT University, Vietnam

Patrick Hartono (Co-Chair), RMIT University, Vietnam

Oriana Tio Parahita Nainggolan, Indonesia Institute of the Arts Yogyakarta, Indonesia

International Workshop on Gen AI for Immersive Health and Education (GenAI-IHE 2026).

Azza Basiouni, Liwa University, UAE

Qun Jin, Waseda University, Japan

International Workshop on Blockchain and Web3 for Education, Research, and Science (BERS 2026).

Kevin Yinfeng Cao, HKCT Institute of Higher Education, Hong Kong, China

Bo Qu, HKCT Institute of Higher Education, Hong Kong, China

Zhiyu Xu, HKCT Institute of Higher Education, Hong Kong, China

Yong Ding, HKCT Institute of Higher Education, Hong Kong, China

International Workshop on AI + Frontiers in Social Medicine: Public Policy and Health Management (AI-SM-PPHM 2026).

Mingfeng Jiang (Chair), Zhejiang Sci-Tech University, China

Siyu Zhou (Co-Chair), Hangzhou Normal University, China

Yuhui Ma (PC Chair), Zhejiang Sci-Tech University, China

Yinghan Xu (PC Chair), Waseda University, Japan

Atsushi Ogihara (AC Chair), Waseda University, Japan

Shoji Nishimura (AC Chair), Waseda University, Japan

International Workshop on AI for Suicide Risk Assessment on Social Media (ASRAM 2026).

Haoyang Li (Chair), Hong Kong Polytechnic University, Hong Kong, China

Xiangmeng Wang (Chair), Hong Kong Polytechnic University, Hong Kong, China

Li Zhang (Chair), Hong Kong Polytechnic University, Hong Kong, China

Jun Li (OC Chair), Hong Kong Polytechnic University, Hong Kong, China

Yifei Yan (OC Chair), City University of Hong Kong, Hong Kong, China

Qing Li (AC), Hong Kong Polytechnic University, Hong Kong, China

Hong Va Leong (AC), Hong Kong Polytechnic University, Hong Kong, China

International Workshop on Artificial Intelligence of Things for Empowering Lifestyle and Well-being (AIoT4LW 2026).

Jin Nakazawa, Keio University, Japan

Tadashi Okoshi, Keio University, Japan

Wenhao Huang, Keio University, Japan

Siying Niu, Northwest University, China

Ruichen Cong, Waseda University, Japan

International Workshop on Digitalization and Socialization of Elderly Care in the Age of Artificial Intelligence (DS-ECAI 2026).

Fangrong He, Korea University, South Korea

Yuanqing Chang, Peking University, China

Ruichen Cong, Waseda University, Japan

Yinghan Xu, Waseda University, Japan

Liyun Zhou, Waseda University, Japan

Kazuhiro Uchida, Mukogawa Women's University, Japan

Keishi Ebisawa, Kinjo Gakuin University, Japan

Chiho Oshima (AC Chair), Waseda University, Japan

Jinling Hua (AC Chair), University of Nagasaki, Japan

Yongho Chon (AC Chair), Incheon National University, South Korea

Whanbhum Song (AC Chair), Korea University, South Korea

International Workshop on Advanced AI Systems for Clinical Practice: Integrating Genomic Analysis, Diagnostic Imaging, and Connected Healthcare (AASCP 2026).

Shuai Li, University of Oulu, Finland

Mohammed Aquil Mirza, Liaoning Technical University, China

Afia Mirza, Senior Consultant Ophthalmologist, India

Hewa Majeed Zangana, Duhok Polytechnic University, Iraq

Cong Wu, Liaoning Technical University, China

Mohammed Shah Rukh Mirza, The Installers, India

ICAIHE 2026 Keynote 1

Wednesday, July 8, 9:40-10:20, Ibuka Hall, 1F

Smart Medicine: Medical Data Analysis / AI Applications for Patient Monitoring, Disease Diagnosis, Prediction and Health Management

Professor Yanchun Zhang

Distinguished Professor, Zhejiang Normal University, China
Emeritus Professor, Victoria University, Australia

Abstract: Recent development or maturation of big data analysis and AI technology has impacted many areas. As one of the most promising areas, Health care and medical service is now becoming more data-intensive, evidence-based and AI-guided. In this talk, we will introduce several innovative data mining / AI techniques and case studies to address the challenges encountered in e-health and medical big data. This includes techniques and development on medical data streams, medical image processing, correlation analysis, abnormal detection and risk predictions, including diagnosis of sleeping and mental health. We will also discuss the challenges and future directions of applying AI in medicine and health research.

Biography: Yanchun Zhang is currently distinguished professor at Zhejiang Normal University, China and Emeritus Professor at Victoria University, Australia. He is Fellow of The Royal Society of Medicine of United Kingdom (FRSM), and Foreign Academician of Russian Academy of Natural Sciences (RANS). Dr. Zhang is a founding editor and editor-in-chief of Health Information Science and Systems Journal (Springer) and World Wide Web Journal (Springer). His research interests include databases, data mining, social networking, web services and e-health / digital health and information security. His research work has significantly impacted health informatics and information security, especially in developing data analytic skills and AI techniques for smart medicine and health. He has published over 500 research papers in international journals and conference proceedings. He authored/co-authored 5 monographs and edited a dozen of books in the related areas, and supervised 40 PhDs and post doctors in completion. He speaks regularly at international conferences in the areas of data engineering / data science and health informatics. He has serviced as an expert panel member at various international research funding agencies like Australia Research Council (ARC), UK's Medical Research Council (MRC) and Australia's National Health and Medical Research Council (NHMRC).

ICAIHE 2026 Keynote 2

Wednesday, July 8, 10:40-11:20, Ibuka Hall, 1F

LEAF: Learning Evidence and Analytics Framework for Adaptive Learning

Professor Hiroaki Ogata

Kyoto University, Japan

Abstract: With the development of digital learning technology platforms, users' interaction trace data can be stored in a standardized format as teaching and learning logs during such educational activities. The Learning and Educational Technology Research Unit at Kyoto University has been developing a learning and evidence analytics framework (LEAF), an integrated technology framework that incorporates methods and tools in learning platforms that are implemented at K12 schools and universities. We conducted research to investigate learning and teaching episodes and their effects to systematically inform practice. This talk will present LEAF and the overall approach of the research and practice that was achieved toward supporting evidence-based practices in education with the Learning Analytics framework within Japan and international countries.

Biography: Hiroaki Ogata is a Professor and Director at Academic Center for Computing and Media Studies (ACCMS), Kyoto University, Japan. His research interests include Learning Analytics, Educational Data Science, Computer Supported Ubiquitous and Mobile Learning, CSCL (Computer Supported Collaborative Learning). He has published more than 700 peer-reviewed papers including SSCI Journals and top international conferences. He has received APSCE (Asia-Pacific Society for Computers in Education) Distinguished Researcher Award in 2014, several Best Paper Awards and gave keynote lectures in several countries. Currently he is the President of APSCE, an associate member of Science Council of Japan, and the Director of Evidence-Driven Education Research Council, Japan.

ICAIHE 2026 Panel Discussion

Wednesday, July 8, 16:20-17:50, Ibuka Hall, 1F

Artificial Intelligence for Health and Education: Opportunities and Challenges

About the Moderator

Professor Qun Jin

Waseda University, Japan

Qun Jin is a professor in the Department of Human Informatics and Cognitive Sciences, Faculty of Human Sciences, Waseda University, Japan. He has been extensively engaged in research works in the fields of computer science, information systems, and human informatics, with a focus on understanding and supporting humans through convergent research. His recent research interests cover behavior and cognitive informatics, health informatics, artificial intelligence and machine learning, LLM and generative AI, AI agents, big data, blockchain, trustworthy platforms for data federation, sharing, and utilization, cyber-physical-social systems, and applications in healthcare and learning support. He authored or co-authored several monographs and more than 480 refereed papers published in academic journals and international conference proceedings. He is a foreign fellow of the Engineering Academy of Japan (EAJ) and a fellow of the Asia-Pacific Artificial Intelligence Association (AAIA). More information can be found at https://researchmap.jp/jinqun/?lang=en.

About the Panelists

Professor Jianting Cao

Soochow University, China

Jianting Cao currently serves as a Distinguished Professor at Soochow University, China. In 1996, he joined the Brain Science Institute (BSI) of RIKEN (Japan) as a Researcher. From 1998 to 2002, he served as Assistant Professor at Sophia University, Japan. From 2002 to 2026, he was Associate Professor and subsequently Professor at Saitama Institute of Technology, Japan. Between 1998 and 2026, he also held concurrent appointments as Research Scientist and Senior Research Scientist at the RIKEN BSI, and the RIKEN Center for Advanced Intelligence Project (AIP). His research focuses on neuroscience, brain–machine interfaces, and AI-empowered Healthcare. He has published more than 300 academic papers in leading journals and conferences. He has led more than ten national research projects, including China–Japan collaborative research programs, serving as the principal investigator. He has received seven Best Paper Awards and Outstanding Research Achievement Awards from prestigious academic societies and organizations, including the IEEE Circuits and Systems Society, IEEE Signal Processing Society, the International Neural Network Society (INNS), the Institute of Electronics, Information and Communication Engineers (IEICE) of Japan.

Professor Tianyong Hao

South China Normal University, China

Tianyong Hao is a full professor and PhD supervisor at South China Normal University. He received his Ph.D. degree from City University of Hong Kong in 2010. He studied at York University, Canada, in 2008 and Emory University, USA, in 2009. After that, he worked at University of New South Wales, Australia, in 2012 and at Columbia University until 2014. Dr. Hao is the leader of provincial-level research team on NLP for big data, the committee director of a provincial engineering-technology center, and the director of a big data center of a provincial research institute. He is a senior member of IEEE, an outstanding member of CCF, and committee member of ISO/TC37, IEC/SyC, IEEE/CTSoc, SAC/TC62 (associate secretary), AACI (associate secretary), CIPS Health Informatics (deputy director), CCF Guangzhou (vice chair), etc. He is the editor-in-chief of Data Discovery, association editor of IEEE TEC, the lead guest editor of SCI journals such as JMIR Medical Informatics. He has published over 260 papers. He is the PI of 3 grants from NSFC and more than 20 grants at various levels. He holds 2 ISO international standards, 10 national standards, 9 best paper awards from international conferences, and 3 academic awards from provincial associations or government bodies. His areas of expertise include Text Mining, Natural Language Processing, and Information Extraction.

Chair Professor Qing Li

The Hong Kong Polytechnic University, China

Qing Li is a Chair Professor and Head of the Department of Computing, the Hong Kong Polytechnic University. He received his B.Eng. from Hunan University (Changsha), and M.Sc. and Ph.D. degrees from the University of Southern California (Los Angeles), all in computer science. His research interests include multi-modal data management, conceptual data modeling, social media, Web services, and e-learning systems. He has authored/co-authored over 500 publications in these areas, with over 68,900 citations and H-index of 106 (source: Google Scholars). He is actively involved in the research community, serving as an Editor-in-Chief of Computer & Education: X Reality (CEXR) by Elsevier; he has also served as an associate editor of IEEE Transactions on Artificial Intelligence (TAI), IEEE Transactions on Cognitive and Developmental Systems (TCDS), IEEE Transactions on Knowledge and Data Engineering (TKDE), ACM Transactions on Internet Technology (TOIT), Data Science and Engineering (DSE), and World Wide Web (WWW) Journal, in addition to being a Conference and Program Chair/Co-Chair of numerous major international conferences. He also sits/sat in the Steering Committees of DASFAA, ACM RecSys, IEEE U-MEDIA, WISE and ICWL. Prof. Li is a Fellow of IEEE.

Professor Oscar Lin

Athabasca University, Canada

Oscar Lin is a Full Professor and former chair of the School of Computing and Information Systems, Faculty of Science and Technology, at Athabasca University, Canada. He earned his Ph.D. from the Hong Kong University of Science and Technology in 1998. Before joining Athabasca University, Dr. Lin worked as an Assistant Research Officer at the Institute for Information Technology, National Research Council of Canada, and completed postdoctoral research at the University of Calgary from 1998 to 1999. Dr. Lin is a Senior Member of both the ACM and IEEE. His research interests include Artificial Intelligence in Education, Intelligent Tutoring Systems, Virtual Reality, and Multiagent Systems. He has authored over 180 publications, including edited books, journal articles, book chapters, conference papers, and reviews. Dr. Lin currently serves as Associate Editor of the International Journal on Computers and Education: X-Reality. He has also chaired several international conferences, including the IEEE Smart World Congress 2025, Intelligent Tutoring Systems 2024, and IEEE Cyber Science and Technology Congress in 2020 and 2021.

Professor Jianhua Ma

Hosei University, Japan

Jianhua Ma is a professor in the Faculty of Computer and Information Sciences, Hosei University, Tokyo, Japan. He was the Director of Hosei University Institute of Integrated Science and Technology in 2024 FY. He served as the Chair of Digital Media Department of Hosei University in 2011-2012. His research interests include pervasive computing, social computing, wearable technology, IoT, smart things, and cyber intelligence. Ma is one of pioneers in research on Hyper World and Cyber World (CW) since 1996, and was a co-initiator of the first international symposium on Cyber World in 2002. He first proposed Ubiquitous Intelligence (UI) towards Smart World (SW), which he envisioned in 2004, and was featured in the European ID People Magazine in 2005. He has conducted several unique CW-related projects including the Cyber Individual (Cyber-I), which was featured by and highlighted on the front page of IEEE Computing Now in 2011. He has published more than 300 papers, co-authored/edited over 15 books and 30 journal special issues, and delivered over 30 keynote speeches at international conferences. He has founded three IEEE Congresses on 'Smart World', 'Cybermatics' and 'Cyber Science and Technology', respectively, as well as IEEE Conferences on Ubiquitous Intelligence and Computing (UIC), Pervasive Intelligence and Computing (PICom), Dependable, Autonomic and Secure Computing (DASC), Cyber Physical and Social Computing (CPSCom), Internet of Things (iThings), Digital Twin, and Metaverse. He is a Chair of IEEE SC Hyper-Intelligence Technical Committee, a Co-chair of IEEE SMC Technical Committee on Cybermatics, and a founding chair of IEEE CIS Technical Committee on Smart World.

Professor Yan Wang

Macquarie University, Australia

Yan Wang is currently a Full Professor in the School of Computing, Macquarie University, Australia. He is the Research Director of Macquarie University Frontier AI Research Centre (FAIR). The Stanford/Elsevier has recognised his expertise and ranked him to be among World's Top 2% Scientists in Artificial Intelligence in 2024 & 2025 respectively. Dr. Wang received his PhD from Harbin Institute of Technology (HIT), P. R. China. Prior to joining Macquarie University in 2003, he was a Postdoctoral Fellow/Research Fellow in the Department of Computer Science, School of Computing, National University of Singapore (NUS). He has published a number of research papers in international conferences including AAAI, AAMAS, ICDE, IJCAI, KDD, NeurIPS, SIGIR, WWW, and journals including CSUR, TIST, TKDD, TKDE, TOIS, TSC and TWEB. His research interests cover recommender systems, fake news detection/mitigation, data analytics and predictive analytics, trust management, social computing and service computing. Dr. Wang has served on the editorial board of several international journals, including IEEE Transactions on Services Computing (TSC), ACM Transactions on Intelligent Systems and Technology (TIST). Prof. Wang received 2017 IEEE TC-TVSC Outstanding Service Award from the IEEE Technical Committee on Services Computing (TC-SVC).

Professor Jun Zhang

Hanyang University, South Korea

Jun Zhang (FIEEE, 2017) received his PhD degree in Electrical Engineering from the City University of Hong Kong in 2002. His primary research interests lie in Computational Intelligence (CI), with a strong focus on Evolutionary Computation (EC) and its wide-ranging applications. He currently serves as an Associate Editor for the IEEE Transactions on Artificial Intelligence, the IEEE Transactions on Evolutionary Computation, and the IEEE Transactions on Cybernetics.

ICAIHE 2026 Advance Program

ICAIHE-1 (Wednesday, July 8, 13:00-14:30, Room 1, 3F)
Regular (Track 1, 2)
Session Chair: TBA

A Clinical RAG Framework for Smartphone Addiction with Interpreted Patterns and Time-Hierarchical Summarization
Takayuki Ishibashi, Kaito Hayashi, Tomohiko Kiriyama, Risa Ozaki, Nanase Kobayashi, Daisuke Jitoku, Masato Uchida

FedDB: Federated Learning via Dual Bhattacharyya Distance and Clustering
Xiaowen Duan, Xin Liu, Qingguo Zhou, Rui Zhao

DermaExplain-LLM: Uncertainty-Aware Multimodal Skin Lesion Diagnosis with Attention-Guided Fusion and Patient-Friendly Explanations
Ankita Gajbhiye, Wenlong Tian, Carson Leung, Palash Ingle

SafePulse: A Memory-Safe Rust Architecture for Deterministic Real-Time ECG Alerting with Optional LLM Enrichment
Suyu Jiang, Haozhe Ruan, Shihao Wang, Jiuyuan Zhao, Luo Chen, Aquil Mirza Mohammed

A Systematic Evaluation Framework for Large Language Models in Japanese Farm Animal Clinical Medicine
Haruno Fusa, Chonho Lee, Yasunori Shinozuka, Sakuei Onishi, Kanshin Fusa, Hiromitsu Shiina

ICAIHE-2 (Wednesday, July 8, 13:00-14:30, Room 2, 3F)
Regular (Track 1, 3)
Session Chair: TBA

An LLM-Based Pipeline for Constructing Educational Knowledge Graphs from a Model Curriculum
Katelyn Grimoldby, Fuhua Lin, Raymond Morland, Gaganpreet Jhajj

Agentic AI for Mass Personalization in Language Education: A Multi-Agent Framework for Adaptive Oral Tutoring
Yanping Deng, Jinze Yu

From Cybersecurity to Health Education: Cross-Disciplinary AI Teaching Assistants
Joon Park, Ciara Gorman, John Kelly, Zina Alfahl

Experimental Evaluation of Knowledge-Graph-Based Reasoning Paths for Comprehension Assessment Enhanced by LLMs
Yuanpu Li, Jiaqi Wang, Ou Deng, Qun Jin

Social-aware Generative Recommendation for AI-enhanced Online Education
Yanwei Xu, Chenhao Ma, Lianyong Qi

ICAIHE-3 (Wednesday, July 8, 14:30-15:30, Room 1, 3F)
Short/WiP (Track 2)
Session Chair: TBA

An AI-Assisted Gamified Digital Mental Health Intervention Framework for International Graduate Students
Yichi Zhang, Kentaro Oba, Yegang Du, Yasuyuki Taki

Machine Learning-Driven Predictive Modeling for Multi-Cancer Risk Assessment Based on Clinical Behavioral Data
Shih-Wei Chen, Hung-Lung Tsai, Stella Chin-Shaw Tsai, Ming-Yi Lin

The Multimodal Algorithmic Fluency Model: AI-Generated Music as a Programmable Stimulus for Digital Health Communication
Lien Nguyen, Long Thang Van Nguyen

ICAIHE-4 (Wednesday, July 8, 14:30-15:30, Room 2, 3F)
Short/WiP (Track 3, LBW)
Session Chair: TBA

A Conversational AI-Based Misconception Diagnosis System with Scaffolding Support for Machine Learning Education
Cheng-Ying Lai, Yen-Ting Lin, Yi-Chun Lin

AI-Supported Reflective Learning through Visual Thinking Strategies: Exploring the Design Tension between Neutrality and Empathy
Asuka Saito

Student Embedding from Learning Interaction Data for LLM-Assisted Adaptive Tutoring
Eymen Kucukcakir, Jiaqi Wang, Qun Jin

Using Generative AI as Social Support: Buffering the Negative Impact of Frustration on Depression among University Students
Cheng-Hong Liu, Tzu-Lin Yeh, Hoi-Ian Che

Elementary and Secondary School Principal Leadership in the AI Era
Chih-Feng Lai

ICAIHE-5 (Thursday, July 9, 10:20-12:00, Room 1, 3F)
Regular (Track 1, 2)
Session Chair: TBA

A Data-Driven Framework of Dynamic Adaptive Pathway Configuration for Chronic Kidney Disease Detection
Takeshi Fujitani, Seiji Kasuya, Qun Jin

Quantum Evolutionary Algorithm-Based Feature Optimization for Breast Cancer Detection
Yifan Xu, Mengtao Wang, Xingzhi Zhou, Lin Meng

Governed Memory in Healthcare LLM Agents: Challenges, Solutions and New Perspectives
Zecheng Ren, Ruichen Cong, Qun Jin

A UWB Trajectory-Based Drinking Behavior Recognition Method Using Candidate-Region Attention-Guided CNN-BiLSTM
Fang Yu, Zhan Yang, Jiheng Yu, Jingfeng Qin, Yang Lei, Meng Qiu, Xiaobing Xian, Gaofei Sun

Integration of FFT-Based Periodic Features to Improve Predictive Performance in Time-Series Health Data
Fan Bo, Ruichen Cong, Qun Jin

ICAIHE-6 (Thursday, July 9, 13:00-14:30, Room 1, 3F)
Regular (Track 1, 3)
Session Chair: TBA

Construction and Educational Feature Analysis of LLM-based Classroom Simulation via Context and Persona Extraction
Sakuei Onishi, Hiromitsu Shiina, Tomohiko Yasumori

Computational Creativity in Product Design Education: Integrating Random Shape Generation with Clay Modeling
Chih-Ping Chen

Integrating AI and Markerless Motion Capture in Virtual Reality for Inclusive Fencing Training
Mario Covarrubias, Caterina Bacchi, Erica Gualini, Davide Marchesi, Mattia Saponaro, Sara Arlati

AI-Enhanced Virtual Reality Ice Hockey Training with Expert Motion Guidance for Inclusive Sports Participation in Students with Disabilities
Mario Covarrubias, Filippo Toniolo, Alice Vigano, Mattia Villa, Sara Arlati

ICAIHE-7 (Online, Friday, July 10, 9:00-10:30, Zoom 1)
Regular (Track 2)
Session Chair: TBA

A Systematic Review on Conversational Mental Health Support: Datasets and Evaluations
Jun Li, Xiangmeng Wang, Yi Xie, Jingwei Li, Shijie Zhang, Hong Va Leong, Qing Li

CPL-Clinic: An Automated Clinical Interview System via Human-Readable and Machine-Executable Clinical Pathway Language
Haiyang Yu, Jingtao Chen, Ruichen Cong, Qun Jin, Yue Wu

AI-Enabled Biomechanical Digital Twin for Real-Time Joint Load Estimation from Monocular Human Motion
Parin Duangekanong, Aueaphum Aueawatthanaphisut

A Dual-Branch U-shaped Network of CNN and Transformer for Medical Image Segmentation
Zhuo Wang, Chunli Sun, Bo Li

ICAIHE-8 (Online, Friday, July 10, 9:00-10:30, Zoom 3)
Regular/Short (LBW)
Session Chair: TBA

SM-KG: Constructing a Knowledge Graph for Traditional Chinese Medicine Six-meridian Syndrome Differentiation via LLM-Driven Text-Type-Guided Prompt Engineering
Ziyan Chen, Weihan Gao, Siyi Cheng, P. Bilha Githinjim, Yibing Shen, Xiaoming Yin, Samaneh Beheshti Kashi, Lian Zhang, Dayan Zhang, Jing Sui, Zeming Liang, Jiansong Ji, Yunhan Gong, Peiwu Qin, Dongmei Yu

Label-Efficient Multi-label Chest X-ray Classification via Instance-Conditioned Prompt Learning and Vision-Language Feature Fusion
Huijuan Lu, Dachuan Cai, Cunqian You, Wangli Huo, Yudong Yao

Life-Course Risk Factors for Post-Injury Decline in Chinese Older Adults: An Interpretable Machine Learning Study
Caie Xu, Michael Onoja, Ruichen Cong, Qun Jin

ICAIHE-9 (Online, Friday, July 10, 10:30-12:00, Zoom 1)
Short/WiP (Track 2, LBW, DS-ECAI Workshop, ASRAM Workshop)
Session Chair: TBA

MADH-ARBNet: Enhancing 3D Pulmonary Nodule Detection via a Multi-Attention Detection Head and a Training-Only Auxiliary Reversible Branch
Huijuan Lu, Qiuyu Dong, Rongjing Zhou, Cunqian You, Ang Wu

SPR-CDER: Semantic Preference Reasoning for Cross-Domain Educational Recommendation
Meiyu Li, Lianyong Qi

SDG-Net: Cross-Domain Polyp Segmentation Using Fourier-Based Style Augmentation Without Target Domain Data
Saima Kanwal, Cai ChengTao, Rizwan Taj

Analyzing the Effect of User Tone on Sycophancy in LLMs Based on FES Framework and Sycophancy Scores
Wenqian Zhang

Examining Attention from the Perspective of Meditative States Using Physiological Indicators Towards Mental Well-Being
Zhenzhen Xu, Ruichen Cong, Qun Jin

ICAIHE-10 (Online, Friday, July 10, 10:30-12:00, Zoom 2)
Regular (Track 1, 3)
Session Chair: TBA

From Tool Users to Cultural Gatekeepers: Developing Preservice Teachers' Critical Evaluative Agency in GAI-Assisted Place-Based Instructional Design for Rural Elementary Education
Yih-Shyuan Chen, Tong-Hsien Chow, Yu-Horng Chen

An XAI-based Multimodal Framework for Classroom Teaching Quality Assessment and Segment-Level Diagnosis
Shenning Zhang, Yuanqi Zheng, Letian Li, Borui Yan, Jingsen Huang, Yishui Zhu

Multi-Agent AI System for Teaching Assistance
Takaaki Arai, Konstantin Markov

ICAIHE-11 (Online, Friday, July 10, 10:30-12:00, Zoom 3)
Regular (Track 1, 3)
Session Chair: TBA

Knowledge Graph Embedding Optimization Based on Multi-View Algorithm in Education Domain
Bangshuo Xin, Zhiping Zhang

CodeLit-GV: A Generate–Verify Framework for Automated Assessment of Code Comprehension MCQs
Le Binh-Dang, Duy Tran, Quan Thi, Le Thanh-Van

Student-Based Behavior Profiling System: A Multimodal AI Framework for Real-Time Monitoring of Students' Classroom Anxiety using Monocular Video Streams
Abinaya M, Vadivu G, Qun jin

ICAIHE-WKSP1 (Wednesday, July 8, 13:00-15:30, Room 3, 3F)
DS-ECAI
Session Chair: Ruichen Cong (Waseda University, Japan)

ICT- and AI-Enabled Mobile Retail as a Community Health Platform: A Case Study in Rural Japan
Shin-ichi Miyazaki, Yinghan Xu, Kimiko Sekiguchi, Shoji Nishimura, Qun Jin, Atsushi Ogihara

A Snow Detection and Enhancement Generative Adversarial Network for Older Driver Assistance in Snowy Conditions
Xiangyu Zhang, Bo Wu, Terumasa Aoki

An AI-Enabled Pipeline for Clinical Data Management and Institutional Review Board-Compliant Governance in Small-Scale Clinical Settings
Xiangping Peng, Yinghan Xu, Shoji Nishimura, Atsushi Ogihara

Fairness-Aware Hospital Bed Allocation Decision Support Model Based on Double DQN
Taeho Kim, Minjong Park, Seunghoon Lee

Round Table Discussion: Rethinking Elderly Care in the Age of AI: Digitalization and Socialization
Fangrong He, Yuanqing Chang, Keishi Ebisawa, Yinghan Xu, Ruichen Cong

ICAIHE-WKSP2 (Thursday, July 9, 10:20-12:00, Room 3, 3F&Zoom 3)
AI-SM-PPHM/AASCP
Session Chair: Siyu Zhou (Hangzhou Normal University, China) & Yinghan Xu (Waseda University, Japan)

Future Whole-Tumor Mask Prediction in Longitudinal Brain MRI Using 3D U-Net
Yuki Dowaki, Hirotaka Inoue, Toru Higaki

Contact-less Breath Wave Estimation Using AI Body Detection
Yuto Kojima, Toru Higaki, Hirotaka Inoue

Enhancing semantic connectivity in health information organization: AI-driven topic link optimization for MedlinePlus using word embedding models [online]
Yifan Zhu, Jin Zhang

Construction and Application of a Deep Learning-Based Decision Support System for Health Impact Assessment of Public Policy [online]
Luxia Yu, Siyu Zhou, Meng Zhang

Evidence-Mapping-Informed Health Need Identification Among Socially Isolated Older Adults: Toward Data-Driven Community Health Management [online]
Zhiyou Zhu, Yuanyuan Weng, Luxia Yu, Siyu Zhou

ICAIHE-WKSP3 (Thursday, July 9, 14:30-15:30, Room 1, 3F&Zoom 1)
BERS
Session Chair: Yinfeng Cao, HKCT Institute of Higher Education/The Hong Kong Polytechnic University, Hong Kong, China)

The Evolving Landscape of Blockchain-Based Cross-Border Applications in Finance and Education
Xingxi Ding, Hongyu Liu

Secure and Privacy-Perserving Traffic Large Models Based on Blockchain [online]
Xiaofeng Zheng, Yong Ding, Yinfeng Cao, Tongrui Zuo, WenXiang Song, Kai Shao, Peng Chen

Secure Load Data Interaction and Collaborative Forecasting for Smart Campus Energy Management [online]
Huiyu Bao, Changze Zheng, Yuwei Ji, Yinfeng Cao

ICAIHE-WKSP4 (Thursday, July 9, 13:00-15:30, Room 2, 3F&Zoom 2)
AICA
Session Chair: TBA

Reflections on AI-Mediated Learning for Children Toward Child-Centered Design
Yusi Li, Ruichen Cong, Qun Jin

From AI-Generated Images to Shadow Puppetry: Multi-modal Transformation and Embodied Meaning-Making in Arts-Based Education
Konstantinos Balis

From Portfolio to Living Soundscape: AI-Enhanced Exhibition Practices in Electroacoustic Music Education
Ainolnaim Azizol, Fakhrul Hazman Yusoff, Peter Bennett

Analyzing Administrative Staff Satisfaction and Behavioral Patterns in Teacher Professional Development Platforms: A Mixed Data Mining Approach
Hsueh-Chih Lin, Huei-mei Wei, Lung-hsing Kuo, Tsai-Yu Chen, Pei-Hua Tsai

Using Association Rules to Discover Characteristics of In-Service Professional Development Courses for Senior High School Teachers in Taiwan
Hsueh-Chih Lin, Huei-mei Wei, Lung-hsing Kuo, Tsai-Yu Chen, Pei-Wen Li

Human Imaginates, AI Hallucinates: The Myth of Pasar Basah as Process-Based Learning
Arron Teo

A Modular Annotation Toolset for Electroacoustic Score Preservation: Typology, Strategy, and the Case for Procedural Standards [online]
Giovanni Roma, Alba Francesca Battista

Storytelling First: AI-Assisted Narrative Pedagogy at RMIT Vietnam [online]
Bao Chau Phan

ICAIHE-WKSP5 (Thursday, July 9, 13:00-15:30, Room 3, 3F&Zoom 3)
GenAI-IHE
Session Chair: TBA

A Study on the Relationships among Online Self-Concept, Peer Relationships, and Mental Health of Adolescents in the Digital Age
Pei-Wen Li, Hsin-Ting Chiang, Yu-Cheng Lin

A Hybrid OCR–Rule-Based Framework with Large Language Models for Cosmetic Ingredient Safety Classification [online]
Ray AL Barazie, Adil Khan, Fuhua Lin, Azza Basiouni

AI-Driven Data Representation in Quantum Machine Learning for Healthcare: A Systematic Review [online]
Muaath Alsufi, Suha Assayed, Azza Elkhalifa, Ahmed Al-Gindy

AI Agents in LMS for Language Learning: A Conceptual Framework [online]
Syeda Kauser Fatima, Alla Baksh Mohamed Ayub Khan

Comparing LLM-Generated and Traditional Educational Content: A Mixed-Methods Study of Pedagogical Quality in Higher Education [online]
Faiza Qasmi

ESCORT: An AI-Enabled Integrated Digital Health Platform for Remote Chronic Disease Management [online]
Krishna Chandramouli, Michael Weber, Niamh Glenat, Peter Daly

Clinical Importance of Brain Anatomy in the Early Detection of Brain Tumors Using Modern Imaging Technologies [online]
Ahmed Youssef, Mahra Saad Alahbabi, Shimaa Emara

AI-Generated Synthetic Blood Smear Images: A Comparative Analysis with Real Clinical Microscopy Data [online]
Ashgan Ahmed, Mohamed Abdelrehim, Azza Mohamed