HIS 2024 Program Plan

(December 8-10, Hong Kong)

Conference Location:

E-G/F, The Education University of Hong Kong conference centre, 10 Lo Ping Road, Tai Po, New Territories, Hong Kong

HIS 2024 Program Plan: 9th December 2024		
Time (HK time)	Room 1	Room2
9:00am-9:10am	Welcome Speech	-
9:10-10:10 am	Keynote Speech 1	-
10:10-10:25 am	Morning tea break	
10:25 am– 12:25 pm	Session 1	Session 2
12:25-13:25 pm	Lauch break	
13:25-14:25 am	Keynote Speech 2	-
14:25-16:25 pm	Session 3	Session 4
16:25-16:40 pm	Afternoon tea break	
16:40-17:25 pm	Session 5	Session 6
18:00 pm	Banquet	

*The conference will be run in Hong Kong Time.

Room 1: Zoom link:

https://victoriauniversity.zoom.us/j/84925904750?pwd=nN0A4U6MUdbjaiRDwEqa57f8jCwGY8.1

Meeting ID: 849 2590 4750
Passcode: 245744

Room 2: Zoom link:

Join Zoom Meeting
https://victoriauniversity.zoom.us/j/89156691429?pwd=IVtygaLcNveeUb71blaV3MnPRMBBRM.1
Meeting ID: 891 5669 1429
Passcode: 073351

Room 1:

Welcome Speech: Prof Yanchun Zhang, Zhejiang Normal University, China & Victoria University, Australia

Opening Address & Program Introduction: Prof Hua Wang, Victoria University, Australia

Time: 9:00am-9:10am, Monday 9th December 2024

Keynote Speech 1:

Session Chair: Prof Hua Wang, Victoria University, Australia

Time: 9:10-10:10 am (including 10 min ques.& Ans.), Monday 9th December 2024

Keynote Speaker: Prof. Qun Jin

Department of Human Informatics and Cognitive Sciences, Waseda University, Japan
Title: **"Understanding and Promoting Human Health through Convergent Research and with Technology Convergence of Big Data and AI**"

Morning Tea break: Time: 10:10-10:25 am, Monday 9th December 2024

Session 1: (in Room 1)

Session Chair: Dr. Siuly Siuly, Victoria University, Australia

Time: 10:25 am – 12:25 pm, Monday 9th December 2024

* Each presentation will be 15 minutes, with 12 minutes for presenting and 3 minutes for Q&A.

Group: AI and Health Informatics

Paper ID	Authors	Paper Title	Presentation Time (HK time)
14	Xiang Lv, Yifu Zeng, Minghao Mo, Zikai Xiao and Yanchun Zhang	TG.Net：A deep learning model combining attention mechanism for effective prediction of multi stages of Chronic Kidney Disease	10:25-10:40

			10:40-10:55
1	Raza Nowrozy, Khandakar Ahmed and Hua Wang	Artificial Intelligence in Enhancing Electronic Health Record Systems: A Comprehensive Approach	
35	Supriya Supriya, Nandini Sidnal, Tony Jan and Scott Thompson Whiteside	Epilepsy Detection from Weighted EEG Graph (WEG) using Novel feature- Normalized Weighted Forgotten Topological Index (NWFT-index)	10:55-11:10
7	Na Zhu, Wenjun Luo and Zhisheng Huang	Exploring Relations between Depression and Cognitive Impairment	11:10-11:25
13	Markian Jaworsky, Xiaohui Tao, Thanveer Shaik, Jianming Yong, Ji Zhang, Lei Pan and Shiva Raj Pokhrel	Multilabel Classification for Cancer Subtypes	11:25-11:40
34	Qingya Li, Ye Yuan, Lu Liu, Ziming Zhang and Wenjun Tan	V-GnNet: Voxel and Graph Node Based Network for Continuously Consistent Artery and Vein Classification in Non-contrast CT Images	11:40-11:55
18	Zikai Xiao, Yifu Zeng, Minghao Mo, Xiang Lv and Yanchun Zhang	Deep Learning-Enabled Electronic Health Records for Accurate Diagnosis of Cardiovascular Diseases: A Retrospective, Prospective, Diagnostic Study	11:55-12:10
21	Taslima Khanam, Kate Wang, Siuly Siuly and Hua Wang	An AI driven framework for EEG based Brain-Computer Interface technology	12:10-12:25

Session 2 (in Room 2)

Session Chair: Prof Yanhui Guo, University of Illinois Springfield, USA.

Time: 10:25pm - 12:25 pm, Monday 9th December 2024

* Each presentation will be 15 minutes, with 12 minutes for presenting and 3 minutes for Q&A.

Group: Healthcare domain

Paper ID	Authors	Paper Title	Presentation Time (HK time)
11	Amina Hareem, Ieva Stupans, Joon Soo Park, Julie E. Stevens and Kate Wang	Digital Health in Practice: Insights from Australian Community Pharmacists	10:25-10:40
16	Yi Luo, Ming Sheng, Xianbo Liu and Yong Zhang	LTGAN: Multi-label Time-series GAN with Constraints for Electronic Health Records Generation	10:40-10:55
22	Zelia Soo, Kairui Guo, Coco Huang, Hua Lin, Mark Grosser and Jie Lu	A Deep Transfer Learning Approach for Predicting Diabetes Complications Using Genomic Data	10:55-11:10
25	Lene Nortje, Jacomine Grobler, Anel van Zyl and Mariana Kruger	Using machine learning to predict the risk of late effects of a childhood rhabdomyosarcoma survivor cohort	11:10-11:25
28	Shengze Shao, Shaofu Lin and Zhisheng Huang	A Geriatric Disease Medical Consultation System Based on Multi-Agent Architecture and Knowledge Graph	11:25-11:40
26	Hamid Ali, Ji Zhang, Xiaohui Tao, Raj Gururajan and Xujuan Zhou	An Explainable Federated Learning for Fall Detection	11:40-11:55
37	Zhisheng Huang, Yijing Wu, Zhitong Zhou, Dianhong Shi and Hui Zhao	Extended Knowledge Graphs of Depression	11:55-12:10
38	Tien Ngo, Jiao Yin, Yong-Feng Ge, Hua Wang and Jinli Cao	Comparative Study of Machine Learning Algorithms for IoT Cyber Threat Detection in Healthcare Information Systems	12:10-12:25

Lunch Break: Time: 12:25-13:25 pm, Monday 9th December 2024

Keynote Speech 2: (in Room 1)

Session Chair: Prof. Hua Wang, Victoria University, Australia

Time: 13:25-14:25 am (including 10 min ques.& Ans.), Monday 9th December 2024

Keynote Speaker: Prof. Chunxiao Xing

Department of Computer Science and Technology BNRist Institute of Internet Industry, Tsinghua University, Beijing, China

Title: "**Huading Medical AI System - Research and Application of Large Models for Smart Healthcare"**

Session 3 (in Room 1)

Session Chair: Prof. Zhisheng Huang, Vrije Universiteit Amsterdam, Netherlands.

Time: 14:25pm - 16:25 pm, Monday 9th December 2024

* Each presentation will be 15 minutes, with 12 minutes for presenting and 3 minutes for Q&A.

Group: Medical Data mining

Paper ID	Authors	Paper Title	Presentation Time (HK time)
23	Jiahao Li, Wenkui Zheng, Kun Chao, Jiaxu Guo, Tianyi Liu, Kaijun Wen and Yong Zhang	Multi-condition Join Query Optimization For Disease-specific Data Exploration Based On Data Lake	14:25-14:40
2	Yanhui Guo, Liang Kong, Guo-Qing Du, Chung-Wei Lee, Siuly Siuly and Heng-Da Cheng	Myocardial Band Transformer Network for Detecting Myocardial Ischemia in 2D Echocardiography	14:40-14:55
6	Mohammed Diykh and Suah Zadan	Robust Approach for Human Activity Recognition Using Decomposition Technique Based Machine Learning Models	14:55-15:10
5	Mohammed Diykh, Ali Basim Al-Khafaji, Wesaam Alsalman,	Physical Human Activity Recognition Based on Spectral Graph Wavelet	15:10-15:25

	Shahab Abdulla, Hussein Alabally and Aqeel Sahi	Transforms Integrated with Machine Learning Model	
29	Nan Hai, Wenkui Zheng, Xianglong Qin, Jiaxu Guo, Tianyi Liu and Yong Zhang	Multi-modal Medical Data Management Platform Based on Data Lake	15:25-15:40
31	Wejdan Shahin, Lina Odat, Alex Park, Elton H. Lobo and Kate Wang	Perceptions of Academic Performance and Mental Health Among Pharmacy Students Across Different Learning Modalities	15:40-15:55
2	Yanhui Guo, Liang Kong, Guo-Qing Du, Chung-Wei Lee, Siuly Siuly and Heng-Da Cheng	Myocardial Band Transformer Network for Detecting Myocardial Ischemia in 2D Echocardiography	15:55-16:10
9	Afrah Jabbar and Wessam Al-Salman	EEG Sleep Classification Based on Fourier-Bessel Technique Coupled with LS-SVM	16:10-16:25
8	Jingjing Huang, Zhisheng Huang, Yijing Wu and Jiali Shi	Investigating Roles of Immune Functions in Depression by Using Knowledge Graph Approach	14:25-14:40

Session 4 (in Room 2)

Session Chair: Prof Yong Zhang, City University of Hong Kong.

Time: 14:25pm - 16:25 pm, Monday 9th December 2024

* Each presentation will be 15 minutes, with 12 minutes for presenting and 3 minutes for Q&A.

Group: Health Data modeling

Paper ID	Authors	Paper Title	Presentation Time (HK time)
27	Puti Xu, Jiao Yin, Hua Wang, Jinli Cao and Yanchun Zhang	The Impact of COVID-19 on Global GMAT Test-Taking Patterns: A Statistical Analysis	14:25-14:40
36	Faisal Haque, Sabikun Nahar, Zakir Hossain and Enamul Kabir	Predicting C-section Outcomes in Bangladeshi Women: A Comparative Study of Machine Learning Techniques	14:40-14:55

3	Praveen Sadasivan and Ravinder Singh	The Impact of COVID-19 and the Ukrainian war on the share market index for the Australian Financial sector	14:55-15:10
17	Yuyan Guo and Le Sun	Enhanced Graph-Centric Contrastive Learning for Multivariate Irregular Time Series	15:10-15:25
40	Ashik Mostafa Alvi, Nishat Tasnim Manami, Siuly Siuly and Hua Wang	IBDR-Net: A Computerized Framework for Irregular Brain Signal Data Recognition	15:25-15:40
12	Chao Xu, Ye Liang, Kaijun Wen, Zihang Wang, Yining Zhou and Yong Zhang	Complex Query Optimization in Sepsis Data Using Learned Index with Data Transformation	15:40-15:55
15	Zihang Wang, Ye Liang, Wenwei Sun, Chao Xu, Yining Zhou and Yong Zhang	A Novel Feature Selection Framework Based on Large Language Models	15:55-16:10
62	Atousa Ghahramani, Maria Prokofieva and Maximilian De Courten	Impact of social media on heart health-related behaviors in health promotion interventions: sentiment analysis of tweets linked to the American Heart Month campaigns.	16:10-16:25

Afternoon tea: Time: 16:25-16:40 pm, Monday 9th December 2024

Session 5: (in Room 1)

Session Chair: Dr Kate Wang, RMIT University, Australia

Time: 16:40pm - 17:25 pm, Monday 9th December 2024

* Each presentation will be 15 minutes, with 12 minutes for presenting and 3 minutes for Q&A.

Group: Machine learning applications

Paper ID	Authors	Paper Title	Presentation Time (HK time)
20	Hakeem Quadri and Hua Wang	Mixed Bayesian Stackelberg Strategies for Robust Adversarial Classifiers	16:40-16:55
4	Jingtian Wei, Zhengyi Yang, Qi Luo, Yu Zhang, Lu Qin and Wenjie Zhang	High-Order Local Clustering on Hypergraphs	16:55-17:10

10	Praveen Sadasivan and Ravinder Singh	A Review of the Latest Prediction Techniques used in the Stock Market Prediction	17:10-17:25

Session 6: (in Room 2)

Session Chair: Prof Chung-wei Lee, University of Southern California, USA.

Time: 16:40pm - 17:10 pm, Monday 9th December 2024

* Each presentation will be 15 minutes, with 12 minutes for presenting and 3 minutes for Q&A.

Group: Meta analysis

Paper ID	Authors	Paper Title	Presentation Time (HK time)
30	Joshua Lee, Joon Soo Park, Boxi Feng and Kate Wang	The Utilisation of Teledentistry in Australia: A Systematic Review and Meta-analysis	16:40-16:55
19	Tomohiro Kawata, Takumi Kato and Kazuhiko Tsuda	Effect of Title Length and Word Count on Views: Evidence from Microsoft Excel videos on YouTube	16:55-17:10

Banquet:

Time: 18:00 pm

Location: Hyatt Regency (4th Floor), 18 Chak Cheung Street, Sha Tin, New Territories, Hong Kong SAR

Website: https://www.hyatt.com/hyatt-regency/en-US/shahr-hyatt-regency-hong-kong-sha-tin/dining/sha-tin-18