

HIS2021 Program Plan

(HIS2021 will held on October 25-28, Melbourne, Australia)

Day 1 (25th October 2021):

Opening, one Keynote and one invited speaker speech, and presentation of the accepted papers

Day 2 (26th October 2021):

One Keynote and one invited speaker speech, and presentation of the accepted papers

Day 3 (27th October 2021):

a discussion session on Health Informatics

Conference Opening (Day 1)

Time:

The conference time is in Melbourne Time Zone:

<https://www.timeanddate.com/worldclock/australia/melbourne>

Location: Zoom

Zoom ID: 768 854 0778

Passcode: 251021

Zoom Link:

<https://victoriauniversity.zoom.us/j/7688540778?pwd=SWRJQmxTSnM0VTNMaWM5azI4S3pjdz09>

Time: 8.30:00-9.00 am, Monday 25th October 2021 (Day 1)

Welcome Speech: Prof Yanchun Zhang, Victoria University, Australia

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

Keynote Speech 1:

Keynote Chair: Prof Hua Wang, Victoria University, Australia

Time: 9.00-9.50 am (including 10 min ques.& Ans.), Monday 25th October 2021 (Day 1)

Speaker: Prof. Zhisheng Huang, Vrije University of Amsterdam, Netherlands

Title: "Web-based intelligent agents for suicide monitoring and early warning"

Keynote Speech 2:

Keynote Chair: Dr Siuly Siuly, Victoria University, Australia

Time: 9.50-10.30 am (including 10 min ques.& Ans.), Monday 25th October 2021 (Day 1)

Speaker: Professor Jeffrey Soar,
Chair in Human-Centred Technology, School of Business, University of Southern Queensland, Australia.

Title: "Addressing the gap between the needs of older people and adoption of technology".

Tea break

Time: 10:30-10:40 am, Monday 25th October 2021 (Day 1)

Session 1: [20min presentation each (15 min presentation and 5min Question & answer)]

Time: 10:40 am – 12:20 pm, Monday 25th October 2021 (Day 1)

Session Chair: Prof Hua Wang, Victoria University, Australia

Group: Health Informatics

Paper ID	Authors	Paper Title	Presentation Time
16	K Venkatachalam, Nebojsa Bacanin, Enamul Kabir, and P Prabu	A Atrous Spatial Pyramid Pooling Technique based EffUnet model For Glaucoma Detection	10:40-11:00
12	Jitao Yang.	Strengthen Immune System Based on Genetic Testing and Physical Examination Data	11:00-11:20
8	Miguel Atienza-Maderuelo, Paloma Collado and Fernando Martin-Sanchez.	Generating data models to manage individual information related to environmental risk factors and social determinants of health.	11:20-11:40
52	Payam Kaywan, Khandakar Ahmed, Yuan Miao,	Ayman Ibaida and Bruce Gu. DEPR: An Early Depression Detection Analysis Chatbot	11:40-12:00
7	Jitao Yang.	Personalized Skin Care Service based on Genomics	12:00-12:20

Lunch Break

Time: 12:20-13:00 pm, Monday 25th October 2021 (Day 1)

Session 2: [20min presentation each (15 min presentation and 5min Question & answer)]

Time: 13:00pm - 14:40 pm, Monday 25th October 2021 (Day 1)

Session Chair: Dr Varun Bajaj, Indian Institute of Information Technology, Design and Manufacturing (IIITDM) Jabalpur, India

Group: COVID-2019

Paper ID	Authors	Paper Title	Presentation Time
5	Chaohui Guo, Shaofu Lin, Zhisheng Huang, Chengyu Shi and Yahong Yao.	Research on the Fluctuation Characteristics of Social Media Message Sentiment with Time Before and During the COVID-19 Epidemic	13:00-13:20
55	Sajjad Ahmed, Anup Shrestha and Jianming Yong.	Towards a user-level self-management of COVID-19 using mobile devices supported by Artificial Intelligence, 5G and the Cloud	13:20-13:40
26	Samsad Jahan and Forkan Ali.	Advancing Health Information System: Analysis of Prospects and Challenges of E-Health in Bangladesh During COVID-19	13:40-14:00
28	Rasel Ahmed and Forkan Ali	Commencement and Acceptability of Tele-Rehabilitation Among Rohingya and Host Community People during COVID-19	14:20-14:40

Session 3: [20min presentation each (15 min presentation and 5min Question & answer)]

Time: 14.40-16:00 pm, Monday 25th October 2021 (Day 1)

Session Chair: Dr Enamul Kabir, University of Southern Queensland, Australia

Group: Medical Data Mining

Paper ID	Authors	Paper Title	Presentation Time
15	Durgesh Samariya and Jiangang Ma.	Mining outlying aspects on healthcare data	14:40-15:00
18	Peng Ren, Weihang Lin, Ye Liang, Ruoyu Wang, Xingyue Liu, Baifu Zuo, Tan Chen, Xin Li, Ming Sheng and Yong Zhang.	HMDF: A Heterogeneous Medical Data Fusion Framework Supporting Multimodal Query	15:00-15:20
10	Peng Ren, Wei Hou, Ming Sheng, Xin Li, Chao Li and Yong Zhang.	MKGB: A Medical Knowledge Graph Construction Framework Based on Data Lake and Active Learning	15:20-15:40
53	Li Chenyang and Sun Le.	Multi-label anomaly classification for Medical data stream	15:40-16:00

Conference Opening (Day 2)

ZOOM ID: 857 9518 2880

Passcode: 442222

Zoom link:

<https://victoriauniversity.zoom.us/j/85795182880?pwd=N3lLeDNNYi9qU1RiWDRN yYW1iQkVsZz09>

Keynote session Chair: Dr Kate Wang, RMIT, Australia

Keynote Speech 3:

Time: 9.00-9.50 am (including 10 min ques.& Ans.), Tuesday 26th October 2021 (Day 2)

Speaker: Prof. Juanying Xie, Shaanxi Normal University, China

Title: "The analyses of histopathological images of breast cancers using supervised and unsupervised deep learning techniques".

Keynote Speech 4:

Time: 9.50-10.30 am (including 10 min ques.& Ans.), Tuesday 26th October 2021 (Day 2)

Speaker: Dr Samanta Lalic (Wood),
Assistant Deputy Director of Pharmacy - Monash Health
Adjunct Research Fellow, Centre for Medicine Use and Safety, Faculty of Pharmacy and Pharmaceutical Sciences, Monash University

Title: "The integration of clinical pharmacy services with Electronic Medical Records".

Tea break

Time: 10:30-10:40 am, Tuesday 26th October 2021 (Day 2)

Session 1 (day 2): [20min presentation each (15 min presentation and 5min Question & answer)]

Time: 10:40-12:20 pm, Tuesday 26th October 2021 (Day 2)

Session Chair: Dr Enamul Kabir, University of Southern Queensland, Australia

Group: Biomedical signal and Image processing and analysis

Paper ID	Authors	Paper Title	Presentation Time
2	Muhammad Tariq Sadiq, Siuly Siuly, Ateeq Ur Rehman and Hua Wang.	Auto-correlation based feature extraction approach for EEG Alcoholism Identification	10:40-11:00
17	Mingkan Shen, Peng Wen, Bo Song and Yan Li	ADHD children identification based on EEG using effective connectivity techniques	11:00-11:20
6	Hesam Akbari, Muhammad Tariq Sadiq, Siuly Siuly, Yan Li and Paul Wen.	A Novel Computerized Framework with Diagnostic Index for Identification of Normal and Depression EEG Signals	11:20-11:40
25	Dines Pandey and Hua Wang.	Automatic breast lesion segmentation using continuous max-flow algorithm in phase preserved DCE-MRIs	11:40-12:00
38	Mohammed Diykh, Atheer Y.Oudah, Shahab Abdulla and Haydar Abdulameer Marhoon.	A novel Alcoholic EEG signals Classification Approach Based on AdaBoost k-means Coupled with Statistical Model	12:00-12:20

Lunch Break

Time: 12:20-13:00 pm, Tuesday 26th October 2021 (Day 2)

Session 2 (day 2): [20min presentation each (15 min presentation and 5min Question & answer)]

Time: 13.00-15:00 pm, Tuesday 26th October 2021 (Day 2)

Session Chair: Dr Ravinder Singh, Victoria University, Australia

Group: Modelling in Public Health data

Paper ID	Authors	Paper Title	Presentation Time
20	Atikur Rahman, Zakir Hossain, Enamul Kabir and Rumana Rois.	Machine learning algorithm for modelling infant mortality in Bangladesh	13:00-13:20
21	Hasan Jamil, Evanthia Bernitsas, Alexander Gow and Berhane Seyoum.	Empowering Patients with HIPAA Aware Personal Health Libraries	13:20-13:40
11	Xiaomin Jing, Shaofu Lin and Zhisheng Huang.	Research on the Early Warning of Suicide Identification Based on Microblog "Tree Hole"	13:40-14:00
3	Yingxiang Zhang, Xiangyun Liao, Li Chen, Hongjun Kang, Yunpeng Cai and Qiong Wang. (short paper)	Multi-BERT-wwm Model based on Probabilistic Graph Strategy for Relation Extraction	14:20-14:40
1	Chetanpal Singh.	Applications and Challenges of Deep Learning in Computer Vision	14:40-15:00