HIS2018 DETAILED PROGRAM

(will held in Cairns, QLD, Australia; October 5-7, 2018)

Day 1 (5ᵗʰ October 2018): Registration and Light Refreshment

Day 2 (6ᵗʰ October 2018): Opening, Keynote and invited speaker speech, and presentation of the accepted papers

Day 3 (7ᵗʰ October 2018): General discussion on Health Informatics

Registration (Day 1)

Location: Reception, James Cook University, Cairns Campus, Cairns, Australia
Time: 4.00 pm-6.00 pm, Friday 5ᵗʰ October 2018 (Day 1)

Conference Opening (Day 2)

Location: D3-054 Tiered Theatre, James Cook University, Cairns Campus,
Time: 8.30:00-8.50 am, Saturday 6ᵗʰ October 2018 (Day 2)

Welcome Speech: Yanchun Zhang, Victoria University, Australia and Fudan University, China

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

Keynote Speech:

Location: D3-054 Tiered Theatre, James Cook University, Cairns Campus
Time: 8.50-9.30 am, Saturday 6ᵗʰ October 2018 (Day 2)

Title: Overview of current large-scale initiatives in Spain in Digital Health, Big Data and Precision Medicine

Speaker: Professor Fernando Martin-Sanchez
Chronicity, Digital Health and Systems, National Institute of Health ´Carlos III´ of Spain,
Fellow of ACMI (American College of Medical Informatics) and ACHI (Australasian College of Health Informatics,
Certified Health Informatician Australasia (CHIA) founding member of the IMIA International Academy of Health Sciences Informatics (IAHSI),
Honorary Professorial Fellow with the University of Melbourne's Medical School.

Invited speaker:

Location: D3-054 Tiered Theatre, James Cook University, Cairns Campus
Time: 9.30-10:00 am, Saturday 6th October 2018 (Day 2)

Title: Towards Precision Healthcare with the Synergy of Cognitive Learning and Machine Learning

Speaker: Runhe Huang, Professor IEEE Senior Member, ACM Senior Member
Faculty of Computer and Information Science
Hosei University, Tokyo, Japan

Tea break

Time: 10:00-10:15 am, Saturday 6th October 2018 (Day 2)

Session 1 (15 min presentation each)

Location: D3-054 Tiered Theatre, James Cook University, Cairns Campus
Time: 10:15 am - 12:00 pm, Saturday 6th October 2018 (Day 2)
Chair: Ickjai Lee, James Cook University, Australia

Group: Medical/Health/Biomedicine information domain

3. Perceptions and Experiences of General Practice Users about MyHealthRecord

Urooj Raza Khan, Tanveer Zia, Chris Pearce and Kaushalya Perera

10. Decision Making for Traditional Chinese Medicine based on Fuzzy Cognitive Map

Daniel Lee, Huai Liu, Jia Rong, Hong Xu and Yuan Miao

30. Accelerometer-Based Physical Activity Patterns and Correlates of Depressive Symptoms

Xia Li

7. Computer Assisted System for Precise Lung Surgery Based on Medical Image Computing and Mixed Reality

Wenjun Tan

6. Optimizing Spatial Healthcare Assets with Internet of Things

Tim McNabb, Trina Myers, Kristin Wicking, Lei Lei and Wei Xiang

17. Detection of depression from brain signals: a review study

Prabhjyot Kaur, Siuly Siuly and Yuan Miao

Break

Time: 12:00-1:00 pm, Saturday 6th October 2018 (Day 2)

Session 2 (15 min presentation each)

Location: D3-054 Tiered Theatre, James Cook University, Cairns Campus
Time: 1:00-3:10 pm, Saturday 6th October 2018 (Day 2)

Chair: Rui Zhou, Swinburne University of Technology, Australia

Group: Artificial intelligence for computer-aided diagnosis

41. Extreme learning machine based diagnosis models for erythemato-squamous diseases

JuanyingXie, Xinyuan Ji and Mingzhao Wang

25. Automatic Text Classification for Label Imputation of Medical Diagnosis Notes based on Random Forest

Bokai Yang, Guangzhe Dai, Yujie Yang, Darong Tang, Qi Li, Denan Lin, Jing Zheng and YunpengCai

12. An Automated Approach for Clinical Quantitative Information Extraction from Chinese Electronic Medical Records

Shanshan Liu, Xiaoyi Pan, Boyu Chen, DongfaGao and Tianyong Hao

22. A new way of Channel Selection in the Motor Imagery Classification for BCI Applications

Md A MannanJoadder, Siuly Siuly and Enamul Kabir

9. Sentiment Classification with Medical Word Embeddings and Sequence Representation for Drug Reviews

Sisi Liu and Ickjai Lee

Group: Data management, data mining, and knowledge discovery

2. Real-time Analytics of Twitter Data and Review of Machine Learning Algorithms: A Case Study of Australian Hay Fever Prediction

Sudha Subramani, Sandra Michalska and Hua Wang

11. Mining Medical Periodic Patterns from Spatio-temporal Trajectories (Regular paper

Dongzhi Zhang, Kyungmi Lee and Ickjai Lee

27. Extraction of Semantic Relations from Medical Literature Based on Semantic Predicates and SVM

Xiaoli Zhao, Shaofu Lin and Zhisheng Huang

Tea break

Time: 3:10-3:30 pm, Saturday 6th October 2018 (Day 2)

Session 3 (15 min presentation each)

Location: D3-054 Tiered Theatre, James Cook University, Cairns Campus
Time: 3.30-5:00 pm, Saturday 6th October 2018 (Day 2)
Chair: Hua Wang, Victoria University, Australia

13. A Data-Intensive CDSS Platform Based on Knowledge Graph
Ming Sheng, Qingcheng Hu, Yong Zhang, Chunxiao Xing and Tingting Zhang

34. Analysing the impact of electronic health records

Ziheng Wang

Group: Development of new architectures and applications

8. Building applications that matter: Co-designing with adolescents with Autism Spectrum Disorder

Randy Zhu, Dianna Hardy and Trina Myers

23. Date Fusion Network for Instance Segmentation

Lifu Wang and Weinan Li

14. Intensity Thinking as a Shared Challenge in Consumer-Targeted eHealth

MarjoRissanen

32. Web-service Medical Messenger – The Intellectual Althoritm of Remote Counseling

Nikita Shklovskiy-Kordi, Rostislav Borodin, Boris Zingerman, Mikhail Shifrin, Olga Kremenetskaya and Andrei Vorobiev

Short break: 5:00-5:10 pm, Saturday 6th October 2018 (Day 2)

PANEL SESSION: New dimensions of Future Health Informatics research

Location: D3-054 Tiered Theatre, James Cook University, Cairns Campus
Time: 5:10-5:40 pm, Saturday 6th October 2018 (Day 2)

BANQUET (Day 2)

Time: 8:00-10:00 pm; Saturday 6th October 2018 (Day 2)
Location: (updated soon)

Day 3 (7th October 2018):

Session: General discussion on Health Informatics

Location: D3-054 Tiered Theatre, James Cook University, Cairns Campus
Time: 9:30-11:00 am, Sunday 7th October 2018 (Day 3)