HIS2016 DETAILED PROGRAM

Registration
Location: Meeting Room (Second Floor)
Time: 16:00-19:00, Saturday 5th November 2016
8:00-9:00, Sunday 6th November 2016

Opening and Keynote 1

| Location: Guanghua Room 1+2 | Time: 9:00-9:30, Sunday 6th November 2016 |

Conference Opening
Welcome Speech: Xiaoyang Wang, Fudan University, China

Opening Address: Yanchun Zhang, Victoria University, Australia and Fudan University, China

Program Introduction: Xiaoxia Yin, Victoria University, Australia

Conference Photograph Time

| Location: Guanghua Room 1+2 | Time: 9:30-10:10, Sunday 6th November 2016 |

Keynote speech 1
Title: Leveraging Big Data Analytics for HealthCare Applications
Speaker: Professor Ling Liu, Distributed Data Intensive Systems Lab, School of Computer Science, Georgia Institute of Technology, US

Tea break
Time: 10:10-10:40

Invited talks
Invited talk 1:
Title: A comprehensive curation of CRISPR annotations
Speaker: Professor Fengfeng Zhou, College of Computer Science and Technology, Jilin University, China.

Invited talk 2:
Title: Robust data mining
Speaker: Professor Uwe Aickelin, The School of Computer Science, The University of Nottingham, UK

Invited talk 3:
Title: Pervasive Health Sensing and Computing: Trends and Opportunities
Speaker: Professor Hongbo Ni, North western Polytechnical University, China.

Lunch time: 12:10-13:10, Sunday 6th November 2016

Regular papers (i)

Location: Guanghua Room 1+2
Chair: Gang Luo, University of Utah, Salt Lake City, Utah, USA

- An Automated Method for Gender Information Identification from Clinical Trial Text
  Tianyong Hao, Boyu Chen and Yingying Qu
- Statistical Modeling Adoption on the Late-Life Function & Disability Instrument compared to Kansas City Cardiomyopathy Questionnair
  Kate MacPhedran and Yunkai Liu
  Shiqiang Tao, Benjamin Walter, Sisi Gu and Guo-Qiang Zhang
- EQClinic: a platform for improving medical students’ clinical communication skills
  Chunfeng Liu, Rafael Calvo, Renee Lim and Silas Taylor
- A Novel Indicator for Cuff-Less Blood Pressure Estimation Based on Photoplethysmography
  Hongyang Jiang, Fen Miao, Mengdi Gao, Xi Hong, Qingyun He, He Ma and Ye Li
- A distributed decision support architecture for the diagnosis and treatment of breast cancer
  Liang Xiao and John Fox

Tea break: 15:30-16:00, Sunday 6th November 2016

Regular papers and Short papers (i)
Dietary Management Software for Chronic Kidney Disease: Current Status and Open Issues
Xiaorui Chen, Maureen Murtaugh, Corinna Koebnick, Srinivasan Beddhu, Jennifer Garvin, Mike Conway, Younghae Lee, Ramkiran Gouripeddi and Gang Luo

Differential Feature Recognition of Breast Cancer Patients Based on Minimum Spanning Tree Clustering and F-statistics Analysis
Juanying Xie, Ying Li, Ying Zhou and Mingzhao Wang

An Architecture for Healthcare Big Data Management and Analysis
Hao Gui, Rong Zheng, Chao Ma, Hao Fan and Liya Xu

Study on Intelligent Home Care Platform Based on Chronic Disease Knowledge Management
Ye Chen and Hao Fan

A Dietary Nutrition Analysis Method Leveraging Big Data Processing and Fuzzy Clustering
Lihui Lei and Yuan Ca

Banquet time: 18:30-21:00
Location: Banquet Room

Keynote speech 2
Title: From Precision Medicine to Smart Medicine
Speaker: Professor Lei Liu, Institution of Biomedical Research, Fudan University; Deputy director of Biological Information Technology Research Center, Shanghai, China

Invited talk 4:
Title: Robust identification of Retinal Layers through OCT imaging in the Presence of Pathology
Speaker: Professor Rao Kotagiri, Computing and Information Systems, University of Melbourne

Tea break
Time: 10:10-10:40

Regular papers (ii)
Real-time patient table removal in CT images
Luming Chen, Shibin Wu, Zhicheng Zhang, Yanchun Zhu, Shaode Yu, Yaoqin Xie and Hefang Zhang

Knowledge Services Using Rule-based Formalization for Eligibility Criteria of Clinical Trials
Zhisheng Huang, Qing Hu, Annette Ten Teije, Frank Van Harmelen and Salah Ait-Mokhtar

3D Medical Model Automatic Annotation and Retrieval Using LDA Based on Semantic Features
Xinying Wang, Fangming Gu and Wei Xiao

Improved GrabCut for human brain computerized tomography image segmentation
Zhihua Ji, Shaode Yu, Shibin Wu, Yaoqin Xie and Fashun Yang

Autism spectrum disorder: Brain images and Registration
Porawat Visutsak and Yan Li

Lunch time
Time: 12:20-13:20

Edge-aware Local Laplacian Filters for Medical X-Ray Image Enhancement
Jingjing He, Mingmin Chen and Zhicheng Li

Health indicators within EHR systems in primary care settings: availability and their presentation
Xia Jing, Francisca Lekey, Abigail Kacpura and Kathy Jefford

A Case Study on Epidemic Disease Cartography Using Geographic Information
Changbin Yu, Jiangang Yang, Yiwen Wang, Ke Huang, Honglei Cui, Mingfang Dai, Hongjian Chen, Yu Liu and Zhensheng Wang

Internet Hospital: Challenges and Opportunities in China
Liwei Xu

A novel algorithm to determine the cutoff score
Xiaodong Wang

Closing & Tea time 15:30-16:00