

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

Location: Guanghua Room 1+2
Time: 10:40-12:10, Sunday 6th November 2016
Chair: *Hua Wang, Victoria University, Melbourne, Australia*

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
Time: 13:30-15:30, Sunday 6th November 2016
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 Questionnaire**
Kate MacPhedran and Yunkai Liu
- **WIDD: Web-Interface-Driven Development for Neuro3D, A Clinical Data Capture and Decision Support System for Deep Brain Stimulation**
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)

Location: Guanghua Room 1+2

Time: 16:00-17:40, Sunday 6th November 2016

Chair: *Zhisheng Huang, Department of Computer Science, Vrije University Amsterdam, The Netherlands*

- **Dietary Management Software for Chronic Kidney Disease: Current Status and Open Issues**
Xiaorui Chen, Maureen Murtaugh, Corinna Koebnick, Srinivasan Beddhu, Jennifer Garvin, Mike Conway, Younghee 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 2 and Invited talks (Second day)

Location: Guanghua Room 1+2

Time: 9:00-10:10, Monday 7th November 2016

Chair: *Chaoyi Pang, Zhejiang University, China*

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)

Location: Guanghua Room 1+2

Time: 10:40-12:20, Monday 7th November 2016

Chair: *Xia Jing, College of Health Sciences and Professions, Ohio University, Athens, Ohio, USA*

- 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
Zhijia 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

Short papers (ii)

Location: Guanghua Room 1+2

Time: 13:30-15:30, Monday 7th November 2016

Chair: *Juanying Xie, School of Computer Science, Shaanxi Normal University, Xi'an, China*

- 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, Jianguang 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