

HIS2017 DETAILED PROGRAM

Registration

Location: Park Hyatt Moscow, Russia

Time: 2:30-6:00, Saturday 7th October 2017 (**Day 1**)

Day 1 (7th October 2017): Registration and refreshment

Day 2 (8th October 2017): Opening and Keynote1

Location: Park Hyatt Moscow, Russia

Time: 8.45:00-9:10, Sunday 8th October 2017

Conference Opening

Welcome Speech: Stanislav V. Klimenko, Moscow Institute of Physics and Technology, Russia

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

Keynote Speech 1:

Location: Park Hyatt Moscow, Russia

Time: 9:10-9:50, Sunday 8th October 2017

Title: Orange Technology & AI Robot for Smart Hospital & Health Care

Speaker: Professor James Jhing-fa Wang

President, Tajen University, Pingtung, Taiwan and

Chair Professor, National Cheng Kung University, Tainan, Taiwan

Keynote Speech 2:

Location: Park Hyatt Moscow, Russia

Time: 9:50-10:30, Sunday 8th October 2017

Title: Big data analysis and decision support systems in hypertension

Speaker: Dr. Nadezhda E. Zvartau

Senior Researcher in Hypertension department and Head of Biomedical Drug Research Department, Almazov National Medical Research Centre;

Senior Researcher in Translational Medicine Institute, ITMO University, Saint-Petersburg

Tea break

Time: 10:30-10:50, Sunday 8th October 2017

Session 1: Medical/Health/Biomedicine information domain

Location: Park Hyatt Moscow, Russia

Time: 10:50-12:40, Sunday 8th October 2017

Chair: Rui Zhou, Swinburne University of Technology, Australia

- **Software for full-color 3D reconstruction of the biological tissues internal structure (Regular paper)**
Alexander V. Khoperskov, Mikhail E. Kovalev, Alexander S. Astakhov, Valeriy V. Novochadov, Alexey A. Terpilovskiy, Kharlampiy P. Tiras and Dmitry A. Malanin
- **Epileptic seizure detection using EEGs based on kernel radius of intrinsic mode functions (Regular paper)**
Qiang Li, Meina Ye, Jiangling Song and Rui Zhang
- **The Application of a New Pharmacy Service System Based on Data Center (Regular paper)**
Yanke Hu, Bin Zhou, Jiaqiang Xu, Weijing Tang, Hao Wang, Wei Zhuang and Wei Liu
- **Some directions of medical informatics (Regular paper)**
Nikita Shklovskiy-Kordi and Mishael Shifrin
- **Appointment Lead-Time in Outpatient Perinatology Departments: A Case Study in a Maternal-child Hospital (short paper)**
Miguel Angel Ortiz Barrios, Genett Jimenez and Jeferson De Avila Villalobos
- **Engaging Patients, Empowering Doctors In Digitalisation Of Healthcare (short paper)**
Nikita Shklovskiy-Kordi, Boris Zingerman, Mishael Shifrin, Andrei Vorobiev and Rostislav Borodin

Lunch

Time: 12:40-13:40, Sunday 8th October 2017

Session 2: Artificial intelligence for computer-aided diagnosis

Location: Park Hyatt Moscow, Russia

Time: 13:40-15:55, Sunday 8th October 2017

Chair: Hua Wang, Victoria University, Australia

- **Supporting Breast Cancer Decisions Using Formalized Guidelines and Experts Decision Patterns – Prototype & Evaluation (Regular paper)**

Dennis Andrzejewski, Michael Fellmann, Rüdiger Breitschwerdt and Eberhard Beck.

- **A Framework for Automated Knowledge Graph Construction towards Traditional Chinese Medicine**

Heng Weng, Shixing Yan, Ziqing Liu, Meiyu Fan and Tianyong Hao

- **Granular computing combined with support vector machines for diagnosing erythemato-squamous diseases (Regular paper)**

Yongchao Wang and Juanying Xie

- **A Semantically-enabled System for Inflammatory Bowel Diseases (Regular paper)**

Lei Xu, Zhisheng Huang, Hao Fan and Siwei Yu

- **Building Diversified Multiple Trees for Classification in High Dimensional Noisy Biomedical Data (Regular paper)**

Jiuyong Li, Lin Liu, Jixue Liu and Ryan Green

- **Early Classification of Multivariate Time Series based on Piecewise Aggregate Approximation (short paper)**

Chaohong Ma, Xiaoqing Weng and Zhongnan Shan

- **A Data-driven Approach for Discovering the Recent Research Status of Diabetes in China (Regular paper)**

Xieling Chen, Heng Weng and Tianyong Hao

Tea break

Time: 16:00-16:20, Sunday 8th October 2017

Session 3: Data management, data mining, and knowledge discovery

Location: Park Hyatt Moscow, Russia

Time: 16:20-17:30, Sunday 8th October 2017

Chair: Yan Li, University of Southern Queensland, Australia

- **Mining Comorbidity Patterns Using Retrospective Analysis of Big Collection of Outpatient Records (Regular paper)**

Svetla Boytcheva, Galia Angelova, Zhivko Angelov and Dimitar Tcharaktchiev

- **Generation of Semantic Patient Data for Depression (short paper)**

Yanan Du, Shaofu Lin and Zhisheng Huang

- **Analyses of the Dual Immune Roles Cytokines Play in Ischemic Stroke (short paper)**

Yingying Wang, Jianfeng Liu, YunpengCai and Haibo Yu

- **Multidimensional Analysis Framework on Massive Data of Observations of Daily Living (Regular paper)**

Jianhua Lu, Baili Zhang, Xueyan Wang and Ningyun Lu

Session 4: Development of new architectures and applications

Location: Park Hyatt Moscow, Russia

Time: 17:30-19:00, Sunday 8th October 2017

Chair: Zhisheng Huang, VU University Amsterdam, the Netherlands

- **Developing a Tunable Q-Factor Wavelet Transform Based Algorithm for Epileptic EEG Feature Extraction (Regular paper)**

Hadi Ratham Al Ghayab, Yan Li, Siuly Siuly, Shahab Abdulla and Paul Wen

- **Numerical modeling of the internal temperature in the mammary gland (Short paper)**

Maxim Polyakov, Alexander Khoperskov and Tatyana Zamechnic

- **Research on Multidimensional Modelling for Personal Health Record (Regular paper)**

Hao Fan, Jianping He and Gang Liu

- **Constructing Knowledge Graphs of Depression (Regular paper)**

Zhisheng Huang, Jie Yang, Frank Van Harmelen and Qing Hu

- **Constructing three-dimensional models for surgical training simulators (short paper)**

Klimenko, Marina Gavrilova and ArkadiyChernetskiy

Banquet Time: 20:00 - 22:00

Location: (?)

Day 3 (9th October 2017): Discussion/Tour