

# International Workshop on Data Analytics for Evidence-based Healthcare (DAEBH 2015)

Joint with the 19th Pacific-Asia Conference Knowledge Discovery and Data Mining (PAKDD 2015)  
Ho Chi Minh City, Viet Nam 19 – 22 May 2015



Healthcare systems around the world are under great pressure to incorporate evidence-based practices due to the large bodies of medical evidence available and the problems related to determining how the clinical evidence applies to specific cases. These problems are compounded by the multifaceted changes that our societies are experiencing: increase of aging population, funding problems, new and expensive treatments, translating evidence to practice and many more. In order to successfully transform the healthcare system into a more efficient system, some interdependent challenges need to be overcome, such as prevalence of tightly coupled applications and data; inadequate data and knowledge standards; insufficient analytics capabilities; unsatisfactory security and privacy methodologies; absence of a clinical decision-making foundation. Knowledge discovery and data mining techniques, especially data analytics, have been proven holding much promise for solving these problems. Providers can use health care data analytics to learn about patient populations, enhance preventive care and drive business decisions by accessing key data such as demographics and chronic conditions. Therefore, nowadays the healthcare industry requires a much more open, robust health information technology environment than ever existed, especially the techniques and methodologies in knowledge discovery and data mining. DAEBH 2015 focuses on how data analytics can improve information management in healthcare. The workshop will bring together researchers from different countries and regions to foster dissemination, increase the share of knowledge cross different domains, and strengthen the research on data analytic techniques and related applications to healthcare problems.

#### TOPICS AND AREAS INCLUDE, BUT ARE NOT LIMITED TO

- Healthcare Management Systems
- Databases and Data Management
- Data and Text mining
- Decision Making Support
- Pattern Recognition and Machine Learning
- Ontology and Standardization
- Bioinformatics
- Medical Image Analysis and Processing
- Medical Signal Acquisition, Analysis and Processing
- Health Information Visualization
- Medical Data Collection and Processing
- User Profiles and Personalised Healthcare
- Social, Privacy, and Security Issues in Healthcare
- Evaluation and use of Healthcare IT
- Public health Surveillance

#### ORGANISING COMMITTEE

##### General Chair

Professor Yanchun Zhang  
*Victoria University, Australia*

##### Program Chairs

Dr. Xujuan Zhou  
*Australian Institute of Health Innovation (AIHI), Macquarie University, Australia*

Dr. Diego Mollá Aliod  
*Macquarie University, Australia*

Dr. Oscar Perez Concha  
*Australian Institute of Health Innovation (AIHI), Macquarie University, Australia*

##### Steering Committee

Dr. Xiaohui Tao  
*University of Southern Queensland, Australia*

Dr. Guandong Xu  
*University of Technology, Sydney, Australia*

#### IMPORTANT DATES

Paper Submission	March 2, 2015
Notification	March 29, 2015
Camera-ready	April 12, 2015