

2018 DMBIH Workshop Keynote Speaker



Dr. Mengling Feng (<http://www.mornin-feng.com>) is currently an Assistant Professor at Institute for Data Science, National University of Singapore, and the Senior Assistant Director of National University Hospital championing the big data analytics efforts. Dr. Feng is also an affiliated scientist with the Lab of Computational Physiology, Harvard-MIT Health Science Technology Division. His research is to develop machine learning algorithms to extract actionable knowledge from large amount of data to enable better quality of healthcare. His research brings together concepts and tools across deep learning, optimization, signal processing, statistical causal inference and big data management. Dr.

Feng's work was recognized by both well-established journals, such as Science Translational Medicine, JAMA and top international conferences, such as KDD, AAI, MICCAI and AMIA. His team recently ranked number 2 in an international challenge on AI tools for medical image analysis. Dr. Feng works closely with clinicians aiming to develop and deploy the right AI solutions for more effective and cost-efficient care.

Presentation Title: When AI meets healthcare practices

Abstract

Artificial Intelligence (AI) is undoubtable one of the most popular buzzwords recently. Despite AI's success in the other domains, such as finance, automobile, manufacturing, etc., AI's impacts to healthcare remains debatable. Our Singapore government actually believes that AI can help to augment and transform our current healthcare system. Thus, our government has invested substantially to boost the development of AI technologies especially for healthcare. In this talk, I am going to share our visions for AI for Healthcare, and I will also share a few AI solutions that we have developed and have been testing in our hospitals.