CSDS 500 and ECSE 500
Fall 2020 Colloquium

11:30AM to 12:30PM
Tuesday, September 15, 2020

Zoom Webinar ID: 862 815 806
Passcode: 914464

"Innovative Machine Learning for Medical Data Analytics"

Artificial Intelligence (AI) will significantly change healthcare practices. It has the potential to transform the diagnosis and treatment of diseases, which could help ensure that patients receive the right treatment at the right time. However, the heterogeneity of medical data is an issue that challenges almost all current AI systems, preventing its integration into daily medical practices. This talk will share our experience in developing intelligent data analytics with newly invented machine learning tools that analyze the growing medical data, aiding physicians and hospital administrations in making the best and earliest decisions.

Shuo Li, Western University, London, Ontario, Canada

Dr. Shuo Li is a pioneer in conducting multi-disciplinary research for medical data analytics to enable artificial intelligence (AI) in healthcare. He is a machine learning researcher by training, with degrees in software engineering and computer science (2006). Upon beginning his career at GE Healthcare (2006-2015), he earned a placement in working side-by-side with physicians. As such, Dr. Li has a rich and unique background that incorporates science, engineering, and healthcare.

His current research focuses on the development of AI systems to solve the most challenging clinical and fundamental data analytics problems in radiology, urology, surgery, rehabilitation, and cancer, with an emphasis on the innovations of learning schemes (regression learning, deep learning, reinforcement learning, sparse learning, spectral learning and manifold learning).

Dr. Li is a committee member in multiple highly influential conferences and societies. He is most notable for serving on the prestigious board of directors in the MICCAI society (2015-2023), where he is also the general chair for the MICCAI 2022 conference. He has over 200 publications, acted as the editor for six Springer books, and serves as an associate editor for several prestigious journals in the field. Throughout his career, he has received several awards from GE, various institutes and international organizations.

This is to certify that _____ attended this seminar. Certified by _____.
Certificates of attendance and other evidence of CPD activity should be retained by the attendee for auditing purposes.

CASE SCHOOL
OF ENGINEERING

CASE WESTERN RESERVE
UNIVERSITY