Making Good on the Promise of AI for Healthcare

Date: October 24, 2019 (Thurs)
Time: 5:00-6:00pm (followed by Q&A)
Venue: Room 202, K.K. Leung Building, HKU

Speaker:
Professor David Robertson
Chair of Applied Logic
Vice Principal and Head
of the College of Science & Engineering
University of Edinburgh

Abstract:

In all nations of the world we know that we will, in the coming decade, face the enormous challenge of providing healthcare to higher standards for an ageing population and in competition with other, equally demanding, challenges such as climate change. We also know that AI and data science, when brought into medical systems, can radically change medicine as a discipline, for example through precision medicine which changes the way we characterise conditions and identify their treatments. Taking these together, a prize for computing science is to make good on the promise of AI for healthcare.

I will summarise my experiences in this type of translational research, working with our National Health Service and with UK initiatives in data intensive healthcare (such as the Farr Institute and Health Data Research UK) and explain why I believe that the goal of radical improvement in practical healthcare through application of AI is now practical, given the right combination of technical innovation and institutional consensus.

About the Speaker:

David Robertson is Chair of Applied Logic, Vice Principal and Head of the College of Science & Engineering at the University of Edinburgh, Scotland. Prior to this he was Head of School of Informatics. His computing research is on formal methods for large scale artificial intelligence. Methods from his group have been applied to areas such as astronomy, simulation of consumer behaviour and emergency response but his main application focus is on medicine and healthcare.

All are welcome!
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