Indiana University-Purdue University Indianapolis
Department of Mathematical Sciences

Statistics Seminar

12:15pm—1:15pm, Tuesday, November 27, 2018
LD 265

Speaker: **Chung Ching Cheung**
Department of Mathematical Sciences, IUPUI

Title: **Predicting Blood glucose with an LSTM Based Neural Network**

Abstract:

Deep learning is a form of machine learning that enables computers to learn from experience and understand the world in terms of a hierarchy of concepts. It has taken the world of technology by storm since the beginning of the decade. Significant progress and improvements have been made in natural language processing, computer vision, and machine translation. In this presentation, the mathematical concepts behind deep learning will be reviewed and a broad range of topics in deep learning will be introduced. Blood glucose prediction based on recurrent neural network, in particular Long-Short Term Memory (LSTM), is presented.