

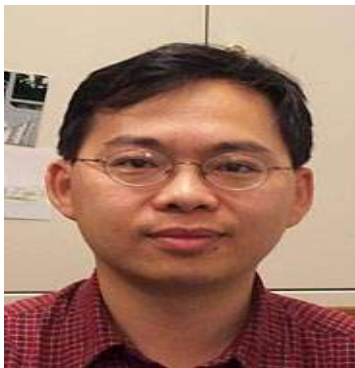


**December 7, Friday, 6~ 8:00 PM**  
**LIU-Brooklyn, Library Learning Center, Room LLC124**

## **From Machine Learning to Deep Learning**

**Ea-Ee (EE) Jan, Ph.D.**  
Vice President, **Goldman Sachs**

**ABSTRACT:** Today, machine learning is one of the hottest topics in IT job families. There have been many successful business impacts within machine learning communities. For example, recommendation systems have been widely used to increase online sales. Fraud detection has been deployed to detect fraud transactions. Recently, the machine learning has gone through another revolution: the deep learning. The deep learning has shown the error rate reduction by at least 30% on image recognition and speech recognition. Now, the deep learning has dominated the machine learning and research communities, ranging from machine translation, demand forecasting, online advertisement, speech recognition, image / video recognition, natural language processing and dialogue systems. Many professions have expressed interests to get more involved in machine learning and deep learning. In this talk, I will share with the audiences a few key algorithms and successful use cases in classical machine learning. I will then address the fundamental of deep learning, various deep learning architectures and their applications.



**Keynote Speaker Bio:** Ea-Ee (EE) Jan is a vice President with Goldman Sachs. He is an expert in predictive analytics and cognitive computing. Before joining with Goldman Sachs, he was a senior data scientist in IBM Watson AI operation, an IBM master inventor where he worked on speech recognition to support Watson speech to text services. He also led a team to developed predictive analytics technologies, including hardware failure prediction for predictive maintenance; cash forecast for ATM cash management, ATM placement using social media data for ATM location recommendation. He also worked on Service Delivery inside, which helped IBM account team to sign several hundred / tens million dollars service contracts. In 2015, EE has been certified as a data scientist practitioner by IBM corporate data scientist board. He has published more than 50 technical papers and hold 19 US patents, he also served as technical program committees for several international conferences.

**Agenda: 6:00 ~ 6:30 PM (Refreshments), 6:30 ~ 7:30PM (Keynote Presentation), 7:30 ~8:00 PM (Q/A).**

**Directions:** <http://www.liu.edu/Brooklyn/About/Visit/Directions.aspx>

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