

TCSUH SPECIAL SEMINAR

Dr. Yuan-Yen Tai

Research Scientist, Amazon

Monday, August 5, 2019

Room 102, Houston Science Center, 1:00 – 2:00 pm

The Booming of AI/ML and How They Relate to Physics

ABSTRACT: In recent years, the AI (artificial intelligence) and ML (Machine Learning) algorithms had a surge of revolution to the IT industry and almost all other related business. In this talk, I will present different categories of AI/ML algorithms and how they can be used in different situation. Often, lots of the algorithms can be inspired from the insight of theoretical physics and statistics.

Finally, I will also introduce a little bit of the algorithm that I invented for my company that helped improving the image analysis and digital signal processing algorithms.

BIO: Yuan-Yen Tai was a postdoctoral researcher at Los Alamos National Laboratory from 2014 until 2017. He was Senior Software Engineer at Quanterix (2017) and Software Development Engineer at Amazon (2017-2018). He has been a Research Scientist at Amazon since 2018.

Host: Prof. Chin-Sen Ting

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