



# AI Deep Learning in Image Processing Research & How to Write a Good Paper (ONLINE SPEECH)

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Speaker: Professor Frank Shih (New Jersey Institute of Technology)

## **Abstract:**

Artificial Intelligence (AI) intends to make machines to learn from experiences, adjust to input data and perform human-like tasks. The term artificial intelligence was coined in 1956 but has become more popular today thanks to increased data volumes, advanced algorithms, and improvements in computing power and storage. Deep learning has recently emerged to be applied to a variety of industries, ranging from healthcare to manufacturing to automotive, among others. As an enabling tool for automating and accelerating the analysis of large data sets generated by various sensors and other connected devices, deep learning algorithms will find a home in a multitude of business and research applications. In this talk, I will cover these technologies to be used for accomplishing specific tasks by processing large amounts of data and recognizing patterns in the data. The research fields of AI, including medical image diagnosis, object segmentation and recognition, and morphological neural networks, will be introduced. In the end, the methodology of research development & paper writing will be included.

Google Meet Room: <https://meet.google.com/ppy-otqs-jzq>

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TIME: 2022/6/10 PM 2:10~4:00

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