



# 國際AI智慧計算特邀演講

## ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING: APPLICATION IN HEALTHCARE



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報名連結



### 演講摘要 (Abstract)

守仁樓 105教室  
Shou-Ren Building  
Room105

► **4/20**  
Mon. 12:10-13:10

In this lecture, first we first understand the past, future and challenges of Artificial Intelligence (AI), and Machine Learning (ML). In this regard, we will discuss the advantages of using techniques like Deep Learning (DL), Graph Neural Networks (GNN), and Explainable AI focusing on healthcare applications. Subsequently we will demonstrate how these techniques are useful for treatment of different diseases. We will also discuss how integration of Language models (LM) are useful. Finally, we will conclude by looking towards the future and challenges of AI and ML.

### 講師簡介 (Profile)

Dr. Ujjwal Maulik is a Professor and former Head of Computer Science and Engineering at Jadavpur University, and served as a Visiting Scientist at Stanford University in 2025. A globally recognized authority in Machine Learning, Bioinformatics, and Data Science, he is a Fellow of IEEE, IAPR, and AAIA, as well as an ACM Distinguished Member. He has been awarded the prestigious Fulbright and Alexander von Humboldt Fellowships, and his

Research interests :

- Machine Learning • Pattern Analysis • Data Science • Bioinformatics
- Multi-objective Optimization • Social Networking • IoT
- Autonomous Vehicles

