

中央研究院統計科學研究所

學術演講

講題：Game-Theoretic Diffusion Models

演講人：Dr. Ya-Ping Hsieh

ETH Foundations of Data Science, Switzerland

時間：2025-03-10 (Mon.) 10:30-12:00

地點：Auditorium, B1F, Institute of Statistical Science; The tea reception will be held at 10:10.

備註：Online live streaming through Cisco Webex will be available.

Abstract

AI systems have significant potential to drive progress in both industrial and scientific domains, particularly in areas such as AI-assisted drug discovery. However, conventional AI models often operate within static and single-agent decision-making frameworks, limiting their adaptability to complex, real-world challenges.

In this talk, I will discuss the fundamental limitations of these existing frameworks and present algorithmic approaches designed to address them. I will then introduce a research project focused on integrating multi-agent paradigms and dynamic modeling, aiming to enhance the practical effectiveness of future AI systems by bridging the gap between theoretical foundations and real-world complexities.



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