學　術　演　講

講　題：Optimizing Electric Vehicle Operations: Data-Driven Strategies for Solving Location, Allocation, and Routing Problems

講　者：Prof. Ying-Chao Hung（洪英超 教授）
　　　　（國立臺灣大學工業工程學研究所）

時　間：2024年3月18日(星期一)，11:00-12:00

地　點：統計所B1演講廳

Abstract

In this presentation, we introduce various data-driven strategies for optimizing Electric Vehicle (EV) operations. Our focus is on determining optimal charging station locations, allocating charging capacity, and creating efficient routing strategies. We explore key performance metrics like throughput, mean travel time, and mean waiting time, emphasizing their importance in EV charging infrastructure optimization. By using diverse datasets, we demonstrate how probability and mathematical theories, machine learning algorithms, and advanced analytics can transform decision-making. The presentation aims to offer valuable insights for stakeholders in urban planning, energy management, and transportation, highlighting the crucial role of data-driven strategies in shaping the future of EV charging infrastructure.

※ 實體與線上視訊同步進行。