

Colloquium

How to number your plate

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時 間：110 年 11 月 10 日(三) 14：30

地 點：應用數學系多媒體教室(理 408 室)

摘 要：

Identifying the license plate frequently appearing in the parking lots is an important task for car-parking and is a key part of an intelligent access control system. In this project, several deep learning techniques are implemented to locate the license plate and recognize the number. Moreover, these techniques are integrated as monitoring-assistant information for security system. We use YOLOv3, OpenCV and TensorFlow in python to achieve license plate positioning, number-cutting and number-recognition. A hierarchical detection model is built to recognize license plate based on daily collected data with image augmentation. In this talk, we will also share any difficulties and solutions during the process of building this system. We hope we can use this opportunity to let everyone know more about AI (*artificial intelligence*) technology and to tell everyone that we can apply what we have learned to our lives.

