

Use of Video Analytics in Real-Time Traffic Signal Control: A Case Study of Tai Tam Road (Dam Section)



Details

Date: 18 December 2020 (Fri),

Time: 18:30 to 20:00

Venue: HKIE HQ 9/F – James Chiu & Dragages Rooms

Speaker: Dr C.H. Cheng, Director of Research and Technology Development at Logistics and Supply Chain MultiTech R&D Centre

Programme highlight

Tai Tam Road (Dam Section) was constructed over a century ago. Due to a narrow width of only 5 meters, traffic deadlock occurred when two wide vehicles went against each other on the dam. Traffic lights were installed on both sides of the dam to allow only one direction traffic at any time on August 25, 2018. However, these lights did not take into consideration of the prevailing traffic volume and might not be flexible enough to adjust the timing of signals according to the traffic condition. In this talk, we discuss how video analytics helps solve this problem. Optical cameras are mounted high up on light poles to monitor traffic vertically down under to avoid getting images of license plate numbers and persons. Traffic flow data are collected from analyzing these images and used in the determination of signal timing. Since the system is well received by the road users, Transport Department has decided to adopt it for long-term use.

Registration details (e.g. contact and fee)

The event is free of charge. Registration is required (<https://forms.gle/DvDad4JCNqUoAWmZ7>). The number of participants is limited to 30. Successful applicants will be notified individually. Due to the evolving nature of the COVID-19 pandemic, the arrangement will be subject to change. Successful applicants will be informed should there be a change approaching the date. For enquiries, please contact Ms Joan Cheng (Tel: 2268 3540; email: joan.cheng@arup.com).