

Research Centre for Advanced Design, Materials and Manufacturing Technologies (RCADMM) SEMINAR

DATE: 29 APRIL 2020 (WEDNESDAY)

TIME: 10:30 AM – 12:00 PM

VENUE: ONLINE (MICROSOFT TEAMS)

Please click [here](#) or scan the QR code to join



*The seminar is fully supported by a grant from the
Research Grants Council of the HKSAR, China
(Project No.: UGC/IDS(R)24/19)*

PROFESSOR CHUN WAH LEUNG

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BSc, PhD (CNAAC); MSc (Cran.I.T.)
FHKIE; FIMarEST; FIMechE



TOPIC

The roadmap for the CPCE to becoming university
ABSTRACT

The requirements to be fulfilled by the CPCE in order to upgrading to the university status are analyzed. A SWOT analysis of the CPCE to becoming the university has been conducted. The Implementation Plan and the roadmap to overcome the problems and barriers encountered are presented and shared with all CPCE staff. Establishment of Research Centers becomes the important milestone of the Implementation Plan, which will also be explained.

DR. ANTHONY LAW

Adjunct Associate Professor, Department of Mechanical Engineering, PolyU BEng (University of Minnesota, Institute of Technology, Mechanical Engineering); PhD (Hong Kong Polytechnic University, Building Services Engineering)



TOPIC

Industrial opportunities over pandemic episode

ABSTRACT

In view of the current situation of the pandemic, tremendous amount of productions have been suspended. It was due to the lack of labours and later the decline of orders from overseas. Some of the industries partners have been taking this opportunity to experiment new way of carrying out R and D activities and innovative productions. It actually speeds up the urgency for putting cloud manufacturing on to the routine stage. It could possibly not just rescue the frozen industry but also enhance the variability of production in a much faster pace. It could well be a chance of evolution for manufacturing industry over the crisis.

DR. JAMES CHAU

Principal Lecturer, Division of Science,
Engineering and Health Studies, CPCE,
PolyU

BEng (Hons) and PhD in Electronic &
Info Engg, PolyU

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TOPIC

A vision based pedestrian counting system using edge computing technique

ABSTRACT

In this presentation, a vision based pedestrian counting system is developed using edge computing technique. The pedestrian counting process can divide the count into inbound pedestrian and outbound pedestrian. The system firstly analyzes the captured video for moving objects through background subtraction technique which employs the adaptive background mixture model, followed by pedestrian detection via a histogram of oriented gradient classifier, and finally, it counts the number of pedestrians in a monitored area using the Kanade-Lucas-Tomasi (KLT) feature tracking approach. The system has been tested in some indoor environments. Experimental results show that the system can achieve an accuracy of 95% in the detection rate.



All are welcome!

For reservation and enquiry, please contact Miss Jenny Li (jenny.li@speed-polyu.edu.hk) on or before 27 April 2020.