

# New Material Technologies and Its Application

Seminar



28 November 2025  
(Friday)  
14:30-16:30



Yeung Kai Yin Memorial Lecture Theatre,  
7/F., VTC Tower, 27 Wood Road,  
Wanchai, Hong Kong



Cantonese  
(no simultaneous interpretation)



Free Event

## INTRODUCTION

This seminar brought together industry experts and academic scholars to share their insights, providing an in-depth understanding of the latest advancements in new material technologies and its application. This will equip you with the knowledge to lead innovation and enhance efficiency in today's rapidly changing market.

1. Delves into the latest developments in metallic nanostructured materials to understand their efficient performance and properties.
2. Examines the new technologies in the development of specialised 3D-printed plastic products for antiviral and antibacterial applications.
3. Explores how advanced data analytics and artificial intelligence are revolutionising aviation and urban traffic management, as well as the development of innovative materials that enhance aviation safety and urban air mobility.

Please seize this invaluable opportunity to equip your organisation with the knowledge and applications skills of the latest materials technologies and its application to cement your positions as an industry pioneer.

## ENROLMENT METHOD

**Please scan the QR Code or click below link to Enrol Now!**

**Registration link: <https://forms.office.com/r/F0t5UN17Pf>**



## HONOURABLE SPEAKERS



### Ir Professor SHEK Chan-hung

*Professor, Department of Materials Science and Engineering  
Professor, Department of Mechanical Engineering  
Associate Dean, College of Engineering  
The City University of Hong Kong*



### Professor Chris LO Kwan-yu

*Professor, Department of Logistics and Maritime Studies  
The Polytechnic University of Hong Kong  
Co-founder  
Immune Materials Limited*



### Professor NG Kam-hung

*Associate Head & Associate Professor, Department of Aeronautical and Aviation Engineering Department  
The Polytechnic University of Hong Kong*

## AGENDA

Time	Activities	Speaker
14:30 - 16:15	Welcome Address	
	Advancements in Metallic Nanostructured Materials	Ir Professor SHEK Chan-hung
	Antiviral and Antibacterial Innovations in Material Science and Application	Professor Chris LO Kwan-yu
	Role of AI, Data Analytics, and Innovative Materials in Aviation Safety and Urban Air Mobility	Professor NG Kam-hung
16:15 - 16:30	Q & A	

## Supporting Organisations

