

# APESS 2025

1st Announcement

## 14th Asia-Pacific-Euro Summer School on Smart Structures Technology

**14 July – 1 August 2025**

 The Hong Kong Polytechnic University,  
Hong Kong, China

### ABOUT

APESS2025 is an intensive three-week program organized by The Hong Kong Polytechnic University. The program consists of lectures given by world-leading experts in the field of structural dynamics and control, smart structural technology and structural health monitoring, laboratory experiments, group projects, technical visits and cultural activities. APESS2025 is intended for students currently enrolled in a civil engineering or related graduate program, and post-doctoral researchers.

### LECTURE TOPICS

- Structural control
- Machine learning
- Data science and engineering
- Computer vision
- Non-destructive testing
- Smart sensing
- System identification
- Bayesian inference methods

### LAB SESSIONS

- 3D printing
- Smart dampers
- Drone-based inspection
- Guided wave testing
- Energy harvesting
- Sound insulation
- Wireless sensor network
- Vibration-based health monitoring

#### CHAIR

Prof. Yong XIA

#### CO-CHAIRS

Prof. Yi-qing NI  
Prof. Songye ZHU  
Dr. You DONG

#### REGISTRATION & ACCOMMODATION

**Registration deadline:** 30 April 2025.

**Registration fee:** HKD 4000 (including accommodation, lunch, welcome & farewell dinner, and 2-day ANCRiSST2025&ZHITU2025 conference).

**Accommodation:** Hotel nearby, standard twin room.

#### WEBSITE

[http://events.polyu.edu.hk/  
apess2025/home](http://events.polyu.edu.hk/apess2025/home)

#### CONTACT

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