

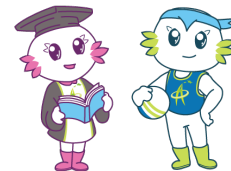
Co-organisers:



Supporting Organisation:

教育局

Education Bureau



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E2TEC019T

(Not-token required)

[Gifted Programme]



Emerging Technology Talk Series by YASHK

Science, Opportunities and Challenges 2025: Skin Electronics for Human Machine Interaction and Healthcare

Dr. YU Xinge

Associate Professor

Department of Biomedical Engineering,
City University of Hong Kong



Application Deadline

16 Apr 2025

12:00 noon

Intended Learning Outcomes

Upon completion of the programme, the participants should be able to:

1. understand the importance of thin, soft, and skin-integrated electronics in future tech;
2. identify soft electronics advantages across applications;
3. learn about materials processing and device integration for flexibility;
4. recognise soft electronics potential in healthcare and biomedical engineering;
5. explore "skin electronics" opportunities in social media, prosthetics, and entertainment;
6. foster a stronger desire to pursue further studies in biomedical engineering and related disciplines.



◆ Gifted Programme Introduction

Soft electronics have attracted great attentions due to the advantages of soft, lightweight, ultrathin architecture, and stretchable/bendable, thus has the potential to apply in various areas, especially in the field of biomedical engineering. By engineering the classes of materials processing and devices integration, the mechanical properties of the flexible electronics can well match the soft biological tissues to enable measuring bio signals and monitoring human body health. In this talk, we will discuss a new technology "skin electronics", creates many opportunities in social media/personal engagement, prosthetic control/feedback and gaming/entertainment. Demonstrations will include human machine interface, healthcare monitoring, VR and many others.

"Talk Series on Emerging Technologies – Science, Opportunities and Challenges 2025: Skin Electronics for Human Machine Interaction and Healthcare" is co-organised by YASHK and HKAGE, and supported by the Education Bureau. It is one of the activities in HK SciFest 2025 and a significant event in the scientific sector of Hong Kong.

◆ Schedule

Session	Date	Time	Venue
1	23 Apr 2025 (Wednesday)	2:00 p.m. – 3:00 p.m. (Registration: 1:45 p.m.)	Lecture Hall, HK Science Museum

◆ Suitable for

- S1 to S6 students, teachers for the 2024/25 school year, and the public.
- Class size: 280
- * First-come, first-served.

◆ Medium of Instruction

English

◆ Certificate

E-Certificate will be awarded to participants who have attended the talk.

◆ Remark

Starting from the 2023/24 school year, after the first review period, ALL student members must complete the following requirements in each school year in order to maintain their membership:

- Attend One Talk; AND
- Participate in One programme or activity of any kind

This talk is one of the items in the five domains of the Holistic Talk Series. The objective is to facilitate the all-round development of student' gifted potential.



Emerging Technology Talk Series by YASHK

Scientists introduce eye-opening emerging technology to enhance students' motivation to learn.



Trendy Academic Talk Series

Introduce trendy topics to widen the students' horizons.



National Security Talk Series

Understanding the meaning of National Security, enhances students' sense of national identity.



Ignite Life Talk Series

Celebrities share their life-changing moments to enhance students' aspirations for life.



Future Insight Talk Series

Professionals share insights about the latest trends in their industry to help students plan their future.

