



香港資優教育學苑
The Hong Kong Academy for Gifted Education

香港特別行政區政府教育局資助
Subvented by the Education Bureau, the Government of the HKSAR



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[**Gifted Programme**]

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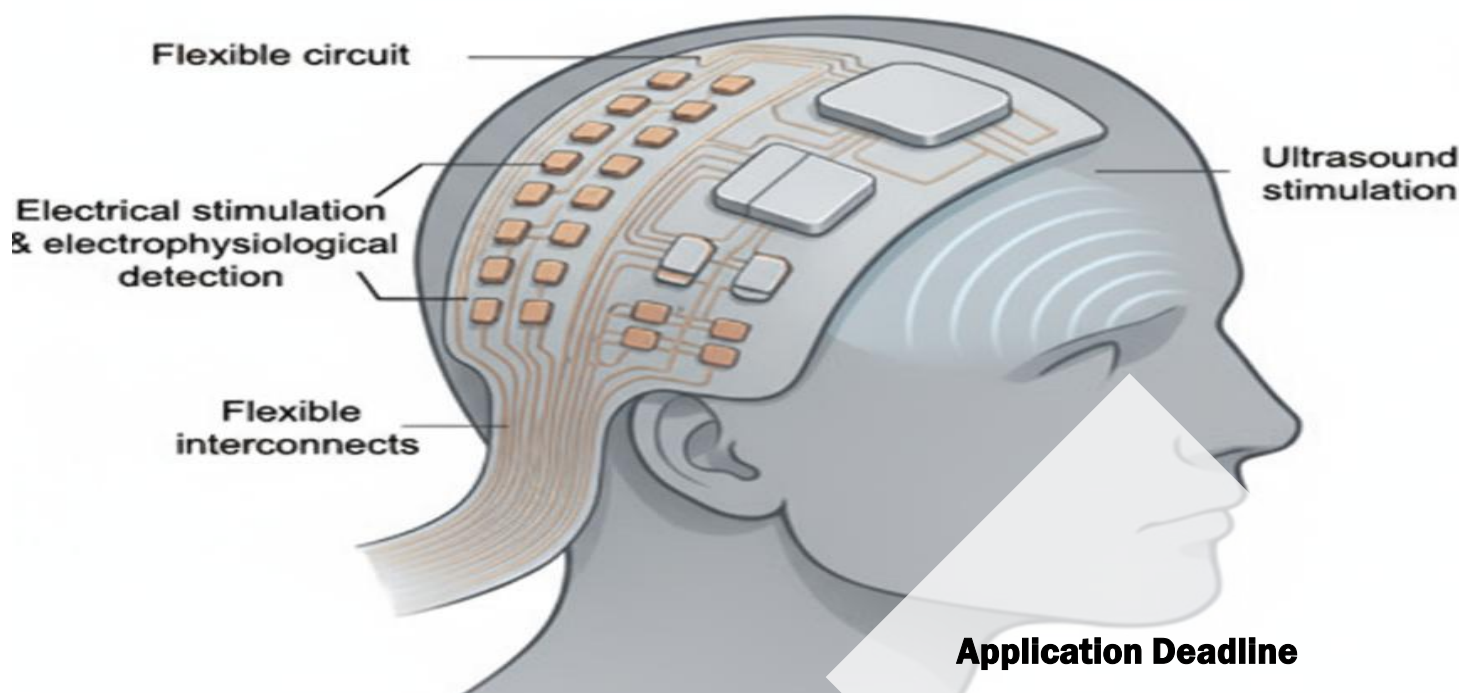
💡 **Trendy Academic Talk Series**

Engineering Talk (Level II):

Materials That Shape Our Future: Driving Technology Revolutions in Energy and Healthcare

Prof. Ni ZHAO

Department of Electronic Engineering, CUHK



Application Deadline

30 June 2026

12:00 noon

Intended Learning Outcomes

Upon completion of the gifted programme, gifted students should be able to:

1. explain how materials innovation drives breakthroughs in healthcare, including biomaterials, implants, diagnostic devices, and drug delivery systems;
2. describe how advanced materials enable smart electronic technologies, such as sensors, flexible devices, semiconductors, and wearable electronics;
3. recognize how understanding material properties (electrical, mechanical, biological) allows engineers to design technologies that solve real-world problems.

Trendy Academic Talk Series



◆ Gifted Programme Introduction

Materials science is the invisible force behind many of today's most groundbreaking technologies. In this lecture, we will explore how innovative materials are driving technological revolutions that are transforming every aspect of our lives. From renewable energy solutions such as high-efficiency solar panels and advanced batteries to healthcare innovations like cutting-edge medical sensors, materials are paving the way for a more sustainable and healthier future. By attending this lecture, gifted students will have the opportunity to explore, under the guidance of CUHK professors, how materials science is shaping modern society in exciting ways and paving the way for future innovations!

◆ Schedule

Session	Date	Time	Venue
1	10 July 2026 (Friday)	10:00 a.m. - 11:00 a.m.	The Chinese University of Hong Kong, Classroom to be confirmed

◆ Suitable for

- S1 – S6 HKAGE student members in 2025/26 school year only.
- Class size: 100 (* First-come, first-served)

◆ Medium of Instruction

English (supplemented with Cantonese)

◆ 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.



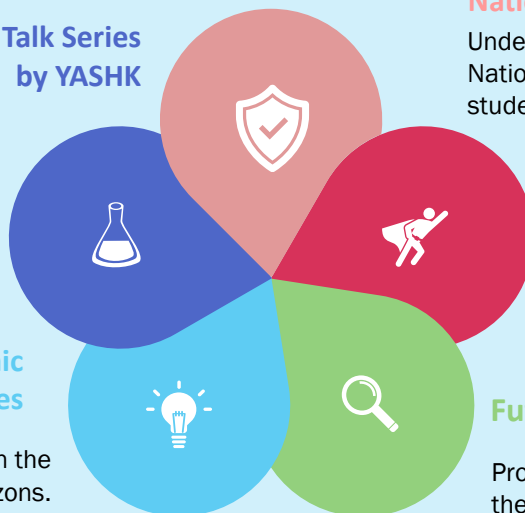
Emerging Technology Talk Series by YASHK

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.

◆ Enquiry



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