



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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E1PHY001T

(Not-token required)

[**Gifted Programme**]

💡 **Trendy Academic Talk Series**

Physics Talk (Level I)

The Exotic Quantum World

Prof. WANG Xin Sunny

(Associate Professor, Department of Physics,
City University of Hong Kong)



Application Deadline
28 Jul 2025 12:00 noon

Intended Learning Outcomes

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

1. explain the foundational concepts of quantum physics;
2. identify and describe real-world applications of quantum technology, such as quantum computing to show an understanding of their significance and potential impact;
3. analyse the implications of quantum physics for everyday life and future technologies, fostering an ability to think critically about scientific advancements and their societal effects.



◆ Gifted Programme Introduction

Have you ever wondered what secrets lie hidden within the tiny atom? Scientists have uncovered the fascinating laws of "quantum mechanics" by studying atomic structures. Even more astonishing is that the scientists are now working to apply these unique properties to real-world applications, including "quantum communication" for ultra-secure information transfer and lightning-fast "quantum computers."

Let us dive into this exotic world together!

The speaker Prof. Sunny WANG is currently the Associate Professor of the Department of Physics at City University of Hong Kong and the Honorary Secretary for the Physical Society of Hong Kong.

◆ Schedule

Session	Date	Time	Venue
1	11 Aug 2025 (Mon)	10:00 a.m. – 12:00 noon (Registration: 9:45 a.m.)	Room 105, HKAGE

◆ Suitable for

- P4 to S3 HKAGE student members in 2024/25 school year ONLY.
- Class size: 100

* 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.



◆ Enquiry



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