

NEWSLETTER

May 2025 Issue



The DMAS Mentorship Programme Kick-off Ceremony on 15 March 2025.

“Distinguished Master, Accomplished Students” Mentorship Programme 2025 Kick-off Ceremony

The Kick-off Ceremony for the "Distinguished Master, Accomplished Students" Mentorship Programme 2025 was successfully held on 15 March 2025. This year, we have 34 ASHK and YASHK Members serving as mentors for secondary 4 students, including Che-Ting CHAN, Tony CHAN, Chi-Ming CHE, Kathryn CHEAH, Kam Biu LUK, Paul TAM, Jin-Guang TENG, Lap-Chee TSUI, Henry WONG, Vivian W W YAM, Tong YANG, Timothy BONEBRAKE, Jasper CHAN, Yang CHAI, Esther CHAN, Giulio CHIRIBELLA, Jonathan CHOI, Johnny HO, Michael KWONG, Tommy LAM, Denvind LAU, Hua-bai LI, Yang LU, Stephanie MA, Minhua SHAO, Anderson SHUM, Jianwei SUN, Amos TAI, Kevin TSIA, Carmen WONG, Raymond WONG, Angus YIP, Li ZHANG and Zijian ZHENG.

The project aims to broaden students' exposure to the latest scientific and technological developments in Hong Kong, nurturing their future through experience sharing and interactions with seasoned professionals. Throughout the year-long mentorship, mentors will engage students with real-world experiences and scientific insights on a personal level, offering guidance to help them unlock and realize their potential.

Dennis LO (fourth from the right), Anderson SHUM (third from the left), Yuk-lin CHOI (fifth from the left), along with the representatives from the Hong Kong Academy of Engineering, secondary school principals' associations, and Hong Kong Science Museum, were invited to officiate the kick-off ceremony.



The 4th Sub-Conference of the Young Academy of Sciences Summit (YASS)

The 4th Sub-Conference of the Young Academy of Sciences Summit (YASS) was successfully held at The University of Hong Kong on 10 March 2025, with a focus on the theme of "From Cancer Discovery Science to Therapeutic Innovation". This Sub-Conference served as a platform for exploring new avenues in cancer research, aiming to pave the way for future breakthroughs in treatments.

The opening ceremony was honored by the presence of Alice WONG, Associate Vice-President (Research), The University of Hong Kong.

During the event, Jun YU, Terence Tsz Wai WONG, Zongli ZHENG discussed the Prevention and Early Detection of Cancer, moderated by Chun-Kit KWOK. Lai Guan NG, Rebecca CHIN and David LI presented the latest Mechanisms of Cancer Development, moderated by Carmen WONG. Jiguang WANG, Zhenqin WU and Alan WONG shared insights on Advancements in Technologies for Cancer Research and Understanding Cancer Heterogeneity, moderated by Kevin TSIA. In the final session, Wai Leong TAM, Clive CHUNG and Jingying ZHOU discussed Emerging Treatments for Cancer, moderated by Stephanie MA.



Jun YU (second from the right) presented on the topic "Gut Microbiome in GI Cancer Prevention and Early Detection" during the 4th Sub-Conference, moderated by Chun-Kit KWOK (first from the left).



Stephanie MA delivered the welcome message at the beginning of the 4th Sub-Conference.



Speakers and moderators of the 4th Sub-Conference.

ASHK New Members elected in 2023

Jin-Guang TENG and Guochun ZHAO, the new members in 2023, signed their membership registers and were presented with their membership certificates.



Jin-Guang TENG has received the Certificate of Membership.



Guochun ZHAO has received the Certificate of Membership.

ASHK 10th Anniversary Celebration

2025 marks the 10th anniversary of ASHK. To commemorate this milestone, a special anniversary logo will be featured in all promotional materials.

Since January 2025, we have organized a series of events leading up to the 10th Anniversary Summit and Celebration Banquet, which is scheduled for 12 December 2025. This event will gather our Members and partners to celebrate a decade of achievements and collaborations.



ASHK 10th Anniversary logo

ASHK 10th Anniversary × St. Joseph's College 150th Anniversary Science Forum

ASHK co-hosted a Science Forum at St. Joseph's College to celebrate ASHK's 10th anniversary and St. Joseph's College's 150th anniversary, attracting over 500 attendees, including primary and secondary school students, teachers and parents.

During the forum, Dennis LO shared insights on Non-invasive Prenatal Testing and its significance in early cancer screening. He drew upon everyday inspirations to encourage students to observe their surroundings for ideas and to prepare for the scientific challenges that lie ahead.



Dennis LO shared insights on the topic "Creating Paradigm Shifts in Medical Diagnosis."



Dennis LO (middle) meeting with younger students from his alma mater during the event.

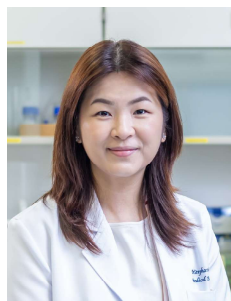
YASHK Executive Committee Election

The election for the Other Elected Committee Members of the YASHK Executive Committee 2025 was held on 27 March 2025. Denvid LAU, Kathy LUI and Carmen WONG were elected to the positions.

YASHK Executive Committee Members:



Anderson SHUM
President



Stephanie MA
Vice-President



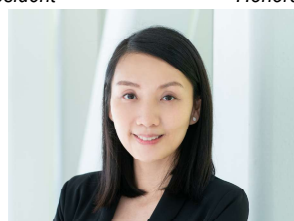
Minhua SHAO
Honorary Secretary



Denvid LAU
Elected Committee Member



Kathy LUI
Elected Committee Member



Carmen WONG
Elected Committee Member



Tong YANG
Independent Committee Member

S.T. Yau High School Science Award (Asia) 2025 – Online Science Talk

ASHK held an online Science Talk: Bridging the Present and Future on 8th February, as the flagship event of the S.T. Yau High School Science Award (Asia) 2024. The event featured welcome speech from distinguished guests Dong SUN and Dennis LO. Following the speeches, Jun YU and Anderson SHUM shared their illustrative careers, personal stories, and experiences in research. They also provided valuable advice about the future of scientific study. The talk was moderated by Jun WANG. At the conclusion of the event, Shing-Tung YAU delivered the closing remarks.



S.T. Yau High School Science Award (Asia) 2025 - Online Science Talk

HSRP Workshop 2025

YASHK has launched the fourth annual "How to Start a Research Project" Workshop, aims at Secondary 1 to Secondary 5 students to enhance their scientific research skill. ASHK and YASHK Members will lead the workshops, teaching students effective strategies for initiating research projects while improving their analytical, planning, organizing, and presentation abilities.

Outreach Science Popularization Programmes – “Meeting the Scientists and Engineering Leaders” & “Thematic Talk”

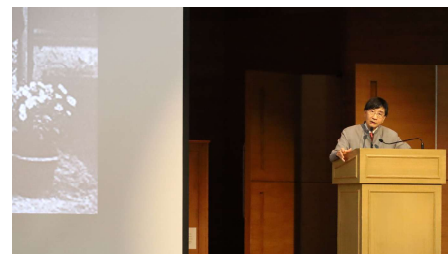
Invited by ASHK Community Education Centre (CEC), ASHK and YASHK Members gave talks to local secondary school students sharing their stories on becoming successful scientists and providing in-depth information on the latest science and technology development. From February 2025 to May 2025, 9 talks were organised by CEC. Lap-Chee TSUI, Kwok-Yung YUEN, Kathy LUI, Amos TAI, Kevin TSIA, Raymond WONG were the speakers of these talks.



HSRP Workshop 2025



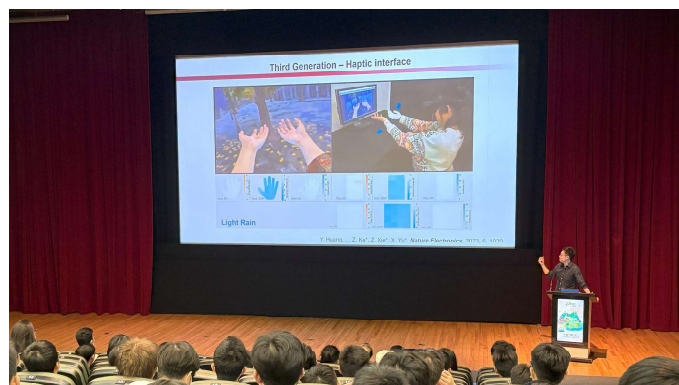
(From the left) Lap-Chee TSUI, Amos TAI and Kwok-Yung YUEN shared their experience to the students.



(From the left) Kathy LUI, Kevin TSIA and Raymond WONG gave students an overview of the latest science and technology development.

HK SciFest 2025

The HK SciFest 2025 was held by the Hong Kong Science Museum from 18 April to 27 April 2025. Xinge YU was invited to deliver a talk on the topic of "Skin Electronics for Human Machine Interaction and Healthcare." More than 250 students and teachers attended the event.



Xinge YU delivered a talk at the HK SciFest 2025.

YASHK X HKYIC Industry Workshop

Collaborated with the Hong Kong Young Industrialists Council (HKYIC), Jonathan CHOI served as a speaker for the Industry Workshop event, sharing his latest research findings and providing insights to the participants on 12 April 2025. The event attracted 200 public to attend.



Jonathan CHOI (middle) shared his personal experience on the Scientific Journey.

Yen Kwo Yung Lecture in Life Sciences – The Future of Medicine in the Era of Artificial Intelligence and Robotics

Joseph SUNG was invited to serve as a speaker for the lecture titled "The future of Medicine in the era of Artificial Intelligence and Robotics," where he shared his insights on the development of AI and Medicine. The event was hosted by Edwin CHAN.



Joseph SUNG (right) and Edwin CHAN (left) attended the Yen Kwo Yung Lecture in Life Sciences on 29 March 2025.

Launch Ceremony of the Tencent WeTech Academy

Tencent has established the Tencent WeTech Academy in Hong Kong, Jin-Guang TENG and Anderson SHUM were invited to the launch ceremony, which took place on 15 March 2025.



Jin-Guang TENG (eighth from the left in the front row) and Anderson SHUM (second from the right in the front row) attended the launch ceremony of the Tencent WeTech Academy.

Inauguration Ceremony and Collaborative Meeting with Alliance of Shandong, Hong Kong, and Macao

Anderson SHUM, representing YASHK, was invited to attend the inauguration ceremony and collaborative meeting with the Alliance of Shandong, HK and Macao, where he signed the 5-year Framework Agreement for Collaborative Development of Young Scientific and Technological Talent Partners.



Anderson SHUM (fourth from the left) invited on stage to kick off the event.



Anderson SHUM (left) gave a speech on youth collaboration at the meeting.

Hong Kong Engineering Science and Technology Award Ceremony & Distinguished Lecture

Jonathan CHOI and Kevin TSIA attended the Hong Kong Engineering Science and Technology (HKEST) Award Ceremony and Distinguished Lecture, where they received the HKEST Award for 2024-25, recognizing their outstanding contributions to engineering technology. During the distinguished lecture, they shared insights into their research projects.



Jonathan CHOI shared insights into his research areas: Nanomedicine, Drug and gene delivery, "Bio-nano" interactions, Bionanomaterials.



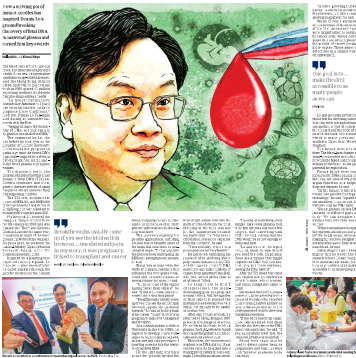
Kevin TSIA shared insights into his research areas: Ultra-fast optical imaging for imaging flow cytometry and high-speed in-vivo brain imaging, bioinformatics approaches for single-cell analysis.

Newspaper interview with Future Science Prize Laureates

Dennis LO, Kam-Biu LUK, Ngaiming MOK were interviewed by the newspaper, which features their groundbreaking work.

Dennis LO discussed his pioneering research on non-invasive prenatal testing (NIPT), which has spared millions of expecting mothers from amniocentesis. Kam-Bui LUK spoke about a Sino-US joint neutrino experiment at the Daya Bay Reactor, which he by leads. Ngaiming MOK discussed China's growing appeal to top mathematicians, highlighting its robust academic environment, increased funding, and opportunities for collaboration, attracting global talent in mathematics.

Blood tests of future to save millions from needle



Professor sees role for AI-driven analysis in early detection of cancers



Dennis LO's exclusive interview: "Blood tests of future to save millions from needle."

Working together on little things that mean a lot



Kam-Biu LUK's exclusive interview: "Working together on little things that mean a lot."

Thinking outside the box on the future of science



Ngaiming MOK's exclusive interview: "Why China is becoming more attractive to top mathematicians."

Featured articles in the Newspaper

Anderson SHUM was invited to publish an article in a newspaper where he analyzes Hong Kong's opportunities and challenges in global tech innovation. He emphasizes the potential for biomedical development, urging the government to optimize regulations and support innovations. He also advocates for collaboration among government, industry, and academia to enhance the application of research.

Wen Wei Po STEM Column

YASHK Members were invited to contribute articles to the STEM column page of Wen Wei Po. The articles aimed to share Members' scientific research projects and experiences with Secondary 4 to Secondary 6 local students. 2 articles were published from February to May 2025.

Ming Pao STEM Column

To promote and advance science and technology education, YASHK Members authored 33 articles on various scientific topics for the student column page of Ming Pao, from September 2022 to May 2025 with a focus on Primary 4 to Primary 6 local students.

**以需求驅動創新
構建香港科研發展新格局**

香港青年科學院院長 施凌教授

香港青年科學院院長施凌教授在「香港青年科學院」成立週年紀念活動中，分享了她對香港科研發展的看法。她指出，香港在基礎科學和前沿技術領域具有獨特優勢，但需要加強與國際頂尖科研機構的合作，以推動創新和發展。她強調，政府應在政策支持和資金投入方面發揮關鍵作用，為科研人員提供一個良好的工作環境。此外，她還提到，加強與企業的合作，促進科研成果的轉化和應用，也是構建香港科研發展新格局的重要途徑。

Anderson SHUM's article on Ta Kung Pao

青談科研
香港青年科學院 X 文匯報

施凌教授
Prof. Ling SHI
香港青年科學院院士
YASHK Member

**AI 檢測阻駭客
無人駕駛更安全**

青談科研
香港青年科學院 X 文匯報

鄭子劍教授
Prof. Zijian ZHENG
香港青年科學院創院院士
YASHK Founding Member

**輕便材料研心電貼片
日常監測防患未然**

Wen Wei Po STEM Column - (from the top) Ling SHI and Zijian ZHENG.



Ming Pao STEM Column - (from the left) Angus YIP, Carmen WONG, Denvid LAU and Kathy LUI.

HOY TV Program

Carmen WONG was featured in an interview on the HOY TV Program, where she shared her experience at the 4th Sub-Conference of Young Academy of Sciences Summit (YASS), focusing on innovative approaches in cancer research, prevention, and emerging treatments.



Ming Pao STEM Column - (from the left) Minhua SHAO, Ling SHI and Jasper CHAN.

Commercial Radio - "Beautiful Sunday"

Dennis LO was interviewed by the "Beautiful Sunday", discussing Hong Kong's golden era of innovation and the importance of education in fostering interdisciplinary talent.



Carmen WONG was interviewed by the HOY TV.



Dennis LO (middle) emphasized the importance of interdisciplinary collaboration during the interview.

RTHK Podcasts - "Infinite Future"

Jasper CHAN was invited to participate in the RTHK Podcast "Infinite Future", where he shared insights into his research and its implications for the future.



RTHK Podcasts – Jasper CHAN on 3 May 2025.



RTHK Podcasts – Jasper CHAN on 10 May 2025.

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