

NEWSLETTER

January 2025 Issue



Opening Ceremony of 2024 Future Science Prize Week on 1 November 2024

2024 Future Science Prize Event

The 2024 Future Science Prize Event (2024 FSPE) took place from July to December 2024. This programme was organised by ASHK in collaboration with the Future Science Awards Foundation to promote scientific spirit and pay tribute to scientists, leading the public to explore the forefront of world science with a forward-looking perspective. Vivian W.W. Yam was the Co-chair of the Programme Committee of 2024 Future Science Prize Week. Kathryn CHEAH and Tony MOK also served as members of the Programme Committee.

The 2024 Future Science Prize Event comprised a Science Popularization Series, an Exhibition, and the 2024 Future Science Prize Week.



2024 FSPE Media Lunch on 23 July 2024



2024 FSP Press Conference on 16 August 2024



Dennis LO introduced the mini game about his DNA research during the media tour of 2024 FSP Exhibition at the Hong Kong Science Museum.

The Science Popularization Series featured two lectures by Hong Kong Future Science Prize laureates: "The Rewards and Challenges of Developing Non-invasive DNA Diagnostics" by Dennis LO on July 30, 2024, at the Hong Kong Space Museum, and "Starting From Plane Geometry: A Journey In Search Of Truth, Benevolence And Beauty" by Ngaiming MOK on August 10, 2024, at the Hong Kong Science Museum.

The 2024 Future Science Prize Exhibition was held at the Hong Kong Science Museum from 4 October to 4 November 2024. This exhibition showcased the Future Science Prize and highlighted the achievements of the four 2024 laureates, along with the stories of five Hong Kong laureates: Dennis LO, Kam Biu LUK, Malik PEIRIS, Kwok Yung YUEN and Ngaiming MOK.



Laureate Dialogue with Youth on 3 November 2024



Science Popularization Lecture by Dennis LO on 30 July 2024



Science Popularization Lecture by Ngaiming MOK on 10 August 2024



Welcome Dinner on 1 November 2024 at the Hong Kong Government House

The 2024 Future Science Prize Week included a series of world-class scientific events, such as the Science and Technology Forum at the Hong Kong University of Science and Technology, the Asian Young Scientist Fellowship Annual Conference at the University of Hong Kong, a Welcome Dinner at the Hong Kong Government House, a two-day Science Symposium, and a Laureates' Dialogue with the Youth at the Hong Kong Science Museum, culminating in an Award Ceremony at the Hong Kong Convention and Exhibition Centre.

Over 100 distinguished scientists from around the world were invited to engage in discussions on interdisciplinary and academic innovation, establishing a prestigious and impactful scientific event over the five-day schedule. The 2024 Future Science Prize Week was widely publicised in Mainland China and Hong Kong, with more than 1100 news reports and discussions. There were over 2000 on-site participants, and it reached more than 10 million people through live-broadcasting on TV channel and live-streaming on social media platforms.



Vivian W.W. YAM chaired the Chemistry session of the Symposium. Benjamin LIST, Nobel Prize Laureate for Chemistry 2021, together with Yi CUI, Peng CHEN and Jinyao TANG served as guest speakers for the session.



Kathryn CHEAH and Tony MOK co-chaired the Biology session of the Symposium. They invited Anne FERGUSON-SMITH, Euan ASHLEY, Lorenz STUDER and Haifan LIN as guest speakers for the session.



Award Ceremony on 3 November 2024



Advertisement for 2024 Future Science Prize Week

The 2nd Young Academy of Sciences Summit (YASS)

YASHK, the Greater Bay Area Homeland Investments Limited, and the Greater Bay Area Homeland Youth Community Foundation jointly organized the 2nd Young Academy of Sciences Summit on 13 December 2024. Anderson SHUM gave the welcome message. Dennis LO, and SUN Dong, Secretary for Innovation, Technology and Industry, officiated at the opening ceremony and delivered the opening remarks.

Over 20 distinguished scientists and professionals, including Che Ting CHAN, members of The Hong Kong Academy of Sciences; Benoît DUBUIS, President of Swiss Academy of Engineering Sciences; Yong-Guan ZHU, Director General at Research Center for Eco-environmental Sciences, Chinese Academy of Sciences; Rongping MU, President of The Chinese Association of Science of Science and S&T Policy Research; and Daniel BROOKER, Director of UK Research and Innovation China Office, were invited to discuss and deliver keynote speeches regarding success stories of how new academies nurture young scientists to become world-class academics, how young scientists can contribute to long-term public policies, the translation and commercialisation of deeptech solutions by universities, and policies to promote and popularise science in schools. YASHK Members Esther CHAN, Mingxin HUANG, Zhifeng HUANG, Chunkit KWOK, Denvi LAU, Stephanie MA, and Minhua SHAO served as moderators for the Summit.



The 2nd Young Academy of Sciences Summit on 13 December 2024.



Anderson SHUM delivered the Welcome Message.



Dennis LO delivered the Opening Remarks.

9th ASHK AGM and Informal Members Meeting

The 9th ASHK Members' Meeting and Informal Members Meeting took place on 28 November 2024. During the meeting, Kam Biu LUK and Jun YU, the new Members elected in 2023, signed their membership registers and were presented with their membership certificates.

YASHK Presidential Election

The election of the YASHK President was held on 21 October 2024. Anderson SHUM was elected as the President. The election was overseen by the election committee members: Amos TAI, Carmen WONG and Angus YIP.



ASHK 9th AGM

S.T. Yau High School Science Award (Asia) 2024

ASHK, Yau Mathematical Science Center of Tsinghua University, and The Institute of Mathematical Sciences of The Chinese University of Hong Kong co-organised the S.T. Yau High School Science Award (Asia) [YHSA(Asia)] 2024. 465 teams from 19 countries and regions joined the 2024 cohort of the competition. After multiple rounds of assessment, 43 teams entered the final and participated in the on-site Oral Defense in Hong Kong in October and November 2024. A total of 25 prizes were awarded. 9 Gold and Silver winning teams were invited to join the YHSA Finale at Tsinghua University in December 2024.

7 ASHK and YASHK Members, including Ngaiming MOK, Giulio CHIRIBELLA, Yilong HAN, Chun Kit KWOK, Kathy LUI, Feng WANG and Xiaoming YUAN, served on the Assessment Panel. ASHK will hold an online Science Talk on 8 February 2025, as the flagship event of YHSA(Asia) 2024.



Chun Kit KWOK and Kathy LUI served on the Biology Assessment Panel of YHSA(Asia) 2024.



Henry WONG and Ngaiming MOK attended the YHSA finale at Tsinghua University. They served as members of the finale jury.

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 October 2024 to January 2025, 7 talks were organised by CEC. Tony CHAN, Dennis LO, Tony MOK, Paul TAM, Jonathan CHOI, Carmen WONG, and Angus YIP were the speakers of these talks.



(From the left) Tony MOK, Jonathan CHOI and Tony CHAN shared their experience to the students.



(From the left) Dennis LO, Paul TAM, Carmen WONG and Angus YIP gave students an overview of the latest science and technology development.

18th Mainland/Hong Kong Science and Technology Co-operation Committee Meeting

ASHK was invited to join the 18th Mainland/Hong Kong Science and Technology Co-operation Committee Meeting in Xi'an on 12 November 2024. Anthony YEH attended the meeting as the representative of ASHK and delivered a speech on collaboration between Hong Kong and mainland China.



Anthony YEH delivered a speech on behalf of ASHK during the meeting.

The Joseph Needham Foundation for Science and Civilisation Public Lectures on STEAM Education

This series of lectures is co-organised by the Joseph Needham Foundation for Science and Civilisation (JNFSC), the Education Bureau, the Hong Kong Academy of Sciences and the Hong Kong Science Museum, with the aim of promoting Science, Technology, Engineering, the Arts and Mathematics (STEAM) education. Esther CHAN, Hua-bai LI, Amos TAI, and Kevin TSIA were invited to be the speakers of this talk series.



JNFSC STEAM Lectures – (from the left) Esther Chan, Kevin TSIA, Amos TAI and Hua-bai LI

Joint Talk Series with HKAGE

Angus YIP was invited to be the speaker of Joint Talk Series on 24 December 2024. The topic of his talk was "The Technology Roadmap to Carbon Neutrality in Hong Kong".

RTHK TV Programme - "Science: Creating the Future 2"

Co-produced by ASHK, Future Science Awards Foundation and RTHK, this programme was composed of 8 episodes, introducing the 2024 Future Science Prize Week, the laureates' stories. Tommy LAM, Denvind LAU, and Kathy LUI were invited to serve as guest hosts of this programme, presenting the findings and achievements of the five Hong Kong laureates: Dennis LO, Kam Biu LUK, Malik PEIRIS, Kwok Yung YUEN, and Ngaiming MOK.



Talk series on Emerging Technologies by Angus YIP on 24 December 2024



(From the left) Kathy LUI, Denvind LAU and Tommy LAM introduced the award-winning research of Dennis LO, Ngaiming MOK, Malik PEIRIS and Kwok Yung YUEN.

RTHK Podcasts - "Infinite Future"

4 ASHK and YASHK Members including Ngaiming MOK, Edwin CHAN, Raymond WONG, and Fuk Yee KWONG were invited to participate in the RTHK Podcast "Infinite Future", where they shared insights into their research and its implications for the future.



RTHK Podcasts – (from the left) Ngaiming MOK, Edwin CHAN, Raymond WONG, Fuk Yee KWONG

RTHK Podcasts - "Under the Sun"

Edwin CHAN was invited to participate in the RTHK Podcast "Under the Sun", where he shared his expertise and the latest findings from his research.

HOY TV Programme - "InnoAction"

Vivian W.W. YAM was interviewed by i-Cable's HOY TV programme "InnoAction" on the programme details of the 2024 Future Science Prize Week.

RTHK TV Programme - "Vibrant Hong Kong"

Anderson SHUM and Stephanie MA appeared on the RTHK TV Programme "Vibrant Hong Kong" to share their insights and vision regarding the Young Academy of Sciences Summit.



Vivian YAM was interviewed by HOY TV.



Anderson SHUM and Stephanie MA were interviewed by RTHK.



RTHK Podcasts – Edwin CHAN

ViuTV Programmes

Anderson SHUM was interviewed in ViuTV Programme "now Forum" and "Weekly ReViu" on the outcome of the second Young Academy of Sciences Summit and the recent programmes and events to develop innovation and technology in Hong Kong.



Anderson SHUM was interviewed by ViuTV.



InnoCarnival 2024

ASHK and YASHK were invited to support InnoCarnival 2024. Chi Ming CHE, Denvid LAU, and Stephanie MA attended the opening ceremony of the event. Ling SHI delivered a talk titled "Cyber-Physical Systems Security: A Control-Theoretic Approach with Applications in Safe Autonomous Driving" on 26 October 2024 while Dangyuan LEI spoke on "Passive Radiative Cooling: Harnessing the infinite coldness of our universe to cool down the Earth" on 30 October 2024.



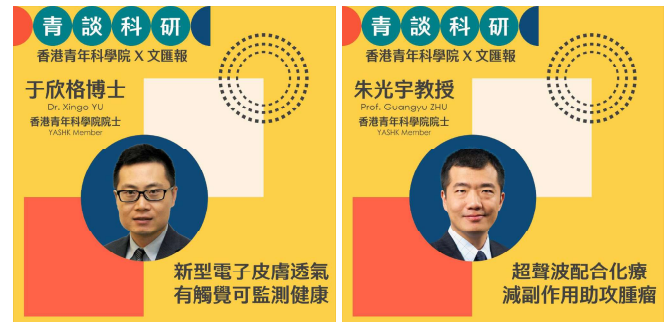
Chi Ming CHE, Denvid LAU and Stephanie MA participated in the Opening Ceremony of InnoCarnival 2024 on 26 October 2024.



InnoCarnival Webinar – (from the left) Ling SHI and Dangyuan LEI

Wen Wei Po STEM Column

YASHK Members were invited to contribute articles to the STEM column page of Wen Wei Po. The articles were intended to share Members' scientific research projects and experiences with Secondary 4 to Secondary 6 local students. 2 articles were published in October and December 2024.



Wen Wei Po STEM Column – (from the left) Xingge YU and Guangyu ZHU

Strive and Rise Programme

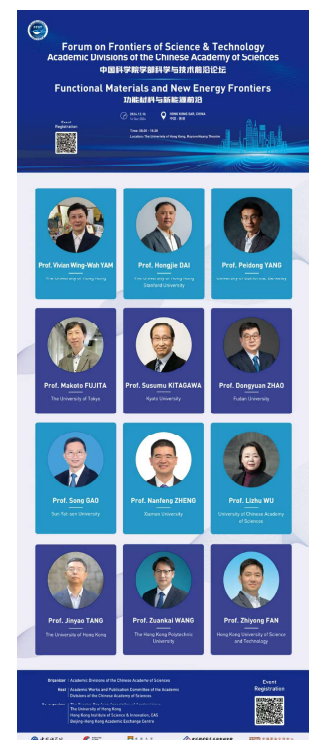
Anderson SHUM attended the 2nd Strive and Rise Programme Graduation Ceremony on 12 January 2025. The third cohort of the Strive and Rise Programme will start in Q1 of 2025. 6 YASHK Members, including Fuk Yee Kwong, Tommy LAM, Minhua SHAO, Kevin TSIA, Jun WANG, and Angus YIP, will serve as the Mentors. Anderson SHUM will join as a Star Mentor.



Anderson SHUM was presented with the Award of Star Mentor during the ceremony.

Forum on Frontiers of Science & Technology

The forum on Frontiers of Science & Technology was organised by the Academic Divisions of the Chinese Academy of Sciences on 16 December 2024. 4 ASHK and YASHK Members, including Vivian W.W. YAM, Zhiyong FAN, Zuankai WANG, and Jinyao TANG were invited to speak on "Functional Materials and New Energy Frontiers".



The forum was held on 16 December 2024 at The University of Hong Kong.

Editorial Advisors

Tong YANG
Director, ASHK
Independent Committee Member, YASHK

Anderson SHUM
President, YASHK

Executive Editors

Ada LEE
Secretary General, ASHK

Oscar TSANG
Project Manager, ASHK

Raymond MAN
Project Coordinator, ASHK

Ray ZHENG
Assistant Project Coordinator, ASHK

Franco LAM
Assistant Project Coordinator, ASHK

Contact Us

Secretariat
The Hong Kong Academy of Sciences
Unit 702, 7/F, Building 10W
10 Science Park West Avenue
Hong Kong Science Park
Shatin, Hong Kong

Tel: 3543 5915
Email: info@ashk.org.hk
Web: <https://ashk.org.hk>
<https://yashk.org.hk>



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