



# NEWSLETTER



The 1st Summit of Young Academy of Sciences Summit on 4 December 2023.

## The 1st Summit of 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 1st Summit of YASS on 4 Dec 2023. Anderson SHUM gave a welcome remark. SUN Dong, Secretary for Innovation, Technology and Industry, officiated at the opening ceremony and delivered a speech.

Over 20 distinguished scientists and professionals, including Tong YANG and Che Ting CHAN, members of The Hong Kong Academy of Sciences; Felix MORONTA, Co-Chair of Global Young Academy; David AI, Head of Innovation (2020-2023) at the London School of Economics and Political Science; Akihiko KONDO, Vice President and Professor at Kobe University; Sasitorn SRISAWADI, Co-Chair of Thai Young Scientists Academy (2019-2021); and Pan SIO, Curator of the Macau Science Center, 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 deep-tech solutions by universities, and policies to promote and popularise science in schools. YASHK Members, Zhiyong FAN, Johnny HO, Mingxin HUANG, Zhifeng HUANG, Chunkit KWOK, Denvid LAU, Kathy LUI, Stephanie MA served as moderators for the Summit.



Anderson SHUM and Tong YANG were the speakers while Johnny HO and Zhifeng HUANG were the moderators of Session 1 of the 1st Summit of YASS.



Over 12 YASHK Members attended the 1st Summit of YASS.

## New YASHK Members Elected

The following new Members have been elected with their membership commencing on 1 January 2024 until they reach the age of 50:



### CHAN, Fuk Woo Jasper

D: Microbiology  
I: HKU  
R: Infectious Diseases



### CHOI, Chung Hang Jonathan

D: Biomedical Engineering  
I: CUHK  
R: Therapeutic Nanoparticles



### LU, Xinhui

D: Physics  
I: CUHK  
R: Materials Science and experimental soft condensed matter physics



### SHI, Ling

D: Electronic and Computer Engineering  
I: HKUST  
R: Cyber-physical systems, Automatic control, Game theory and Networked sensing



### TANG, Jinyao

D: Chemistry  
I: HKU  
R: Nanomaterials and Nanodevices



### YU, Xinge

D: Mechanical and Automation Engineering  
I: CityUHK  
R: Flexible electronics, Bio-integrated electronics, Soft robots and Human-machine interfaces



### ZHANG, Li

D: Mechanical and Automation Engineering  
I: CUHK  
R: Medical Miniature Robots and Micro/Nanorobotics



### ZHU, Guangyu

D: Chemistry  
I: CityUHK  
R: Bioinorganic Chemistry and Chemical Biology

D: Department I: Institution R: Research Areas

## Future Science Prize Week 2023

Co-organised by the Future Science Awards Foundation and The Hong Kong Academy of Sciences, the 2023 Future Science Prize Week took place in Hong Kong from 14 October to 17 October 2023. It included the Asian Young Scientist Fellowship Conference, Science Symposium, and the Future Science Prize Laureate Lecture and Award Ceremony. Dennis LO (ASHK), Tong YANG (ASHK) and Vivian YAM (ASHK) were the Programme Committee members for the Future Science Prize Week.

YASHK Members, Anderson SHUM, Yang CHAI, Huabai LI, Stephanie MA and Amos TAI, participated as the guests and panellists in the Fireside Chat session during the Asian Young Scientist Fellowship Annual Conference 2023 on 16 October 2023.



Amos TAI was the invited guest of Fireside Chat 3: Sustainability and Green Technologies.



Yang CHAI and Huabai LI were the invited guests of Fireside Chat 4: Expand our Understanding and Exploration of the Physical World.



Anderson SHUM was interviewed during the Asian Young Scientist Fellowship Annual Conference 2023.

## S.T.Yau High School Science Award (Asia) 2023

The Hong Kong Academy of Sciences (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) 2023. The offline oral defenses were held in October and November 2023.

To highlight, YASHK Members served as Assessment Panel Chairs and Members, including Giulio CHIRIBELLA, Yilong HAN, Chun Kit KWOK, Kathy LUI, Feng WANG and Xiaoming YUAN. ASHK held an online Science Talk: From Inspiration to Impact on 27 January 2024, as the flagship event of YHSA(Asia) 2023. Denvid LAU was the moderator of the talk.



Chun Kit KWOK and Kathy LUI served on the assessment panel of the Biology oral defense of YHSA(Asia) 2023.

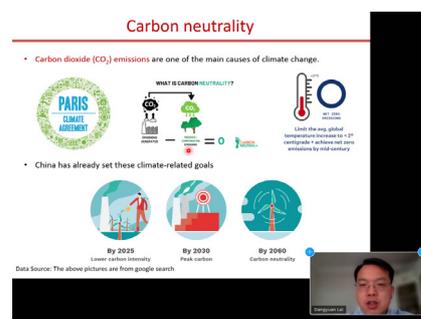


Yilong HAN and Feng WANG served on the assessment panel of the Physics oral defense of YHSA(Asia) 2023.

YHSA(Asia) 2023 online Science Talk: From Inspiration to Impact on 27 January 2024.

## Joint Talk Series with HKAGE

Led by the Outreach Committee, 4 sessions of the Talk series on Emerging Technologies: Science, Opportunities and Challenges were held between October 2023 and January 2024, including "Building and innovating with DNA" by Chun Kit KWOK, "From DNA to Epigenetics: A Chemist's View" by David LI, "Harnessing the infinite coldness of our universe to cool down the Earth" by Danyuan LEI, and "Diamond as next-generation semiconductor" by Yang LU.



Talk series on Emerging Technologies by Danyuan LEI on 28 December 2023.

## Strive and Rise Programme

3 YASHK Members including Tommy LAM, Denvid LAU and Anderson SHUM attended the 1st Strive and Rise Programme Graduation Ceremony on 4 November 2023. The second cohort of the Strive and Rise Programme started in Q4 of 2023. 6 YASHK Members, including Jasper CHAN, Fuk Yee Kwong, Tommy LAM, Vic LAW, Jensen LI and Amos TAI, served as the Mentors. Anderson SHUM joined as a Star Mentor.



Denvid LAU, Anderson SHUM and Tommy LAM participated in the 1st Strive and Rise Programme Graduation Ceremony on 4 November 2023.



## InnoCarnival 2023

YASHK was invited to participate and provide support to InnoCarnival 2023. Johnny HO gave a pre-recorded talk titled "Nanomaterials and their daily life applications".



Johnny HO was the speaker of InnoCarnival 2023 webinar.

## The 15th Council Inauguration Ceremony of the Centum Charitas Foundation

Anderson SHUM attended The 15th Council Inauguration Ceremony of the Centum Charitas Foundation on 29 January 2024. He gathered with government officials, partners and members of the education sector to exchange views on local youth development and celebrate the event.



Anderson SHUM joined The 15th Council Inauguration Ceremony of the Centum Charitas Foundation.

## The 25th Annual Meeting of the China Association for Science and Technology

Anderson SHUM attended The 25th Annual Meeting of the China Association for Science and Technology (CAST). The Meeting was co-hosted by CAST and the Government of Anhui Province in Hefei from 22 to 24 October 2023 under the theme of "Innovation leads self-reliance and strengthening - create a source of high-quality sci-tech innovation".



Anderson SHUM joined The 25th Annual Meeting of the China Association for Science and Technology.

## Metrology Symposium 2023

The Metrology Symposium 2023 was jointly organised by the Standards and Calibration Laboratory of Innovation and Technology Commission, Government Laboratory and Hong Kong Council for Testing and Certification on 24 October 2023. Anderson SHUM was invited to attend the Symposium.



Anderson SHUM was invited to attend The Metrology Symposium 2023 as an honor guest .

## Outreach Science Popularization Talks - "Meeting the Scientists"

Invited by ASHK Community Education Centre, YASHK Members gave talks to local secondary school students sharing their stories on becoming successful scientists. Kathy LUI spoke to Kowloon True Light School students on 7 December 2023 while Chun Kit KWOK shared his stories with ELCHK Lutheran Secondary School students on 26 January 2024.



Kathy LUI shared her experience to the students at the "Meeting the Scientists" talk.



Chun Kit KWOK had an in-depth discussion with 10 students after the talk.

## Ming Pao STEM Column

To promote and advance the education of science and technology, YASHK Members contributed 14 articles on different scientific topics to the student column page of Ming Pao from October 2022 to May 2023, targeting Primary 4 to Primary 6 local students. 6 additional articles have been published between September 2023 and December 2023.



Ming Pao STEM Column - (from the left) Anderson SHUM, Fuk Yee KWONG, Kevin TSIA, Kathy LUI, Zijian ZHENG and Tommy LAM.

## Wen Wei Po STEM Column

YASHK Members were invited to contribute articles to the STEM column page of Wen Wei Po. The articles focused on sharing Members' scientific research projects and experiences to Secondary 4 to Secondary 6 local students. 2 articles have been published in November and December 2023.



Wen Wei Po STEM Column - Jensen LI and Amos TAI.

## The 1st Sub-Conference of YASS

After the 1st Summit, three Sub-Conferences, each targeting a hundred audience, will be held separately to extend the impact of the main Summit. The 1st Sub-Conference will focus on Life and Health Technology. It will be conducted in the Yasumoto International Academic Park of The Chinese University of Hong Kong on 8 March 2024. Please save the date.

## YASHK WhatsApp Group

For better communication, a WhatsApp group for YASHK Members has been set up and a lot of Members who agreed to join the group earlier have been added into the group. If you wish to join the group, please notify the YASHK Secretariat.

## Editorial Advisors

Anderson SHUM  
President, YASHK

Tong YANG  
Member, ASHK

Independent Committee Member, YASHK

## Contact Us

Secretariat  
The Hong Kong Young 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 [ya@ashk.org.hk](mailto:ya@ashk.org.hk)  
Web <https://yashk.org.hk>



## Executive Editors

Ada LEE  
Deputy Secretary General, ASHK

Oscar TSANG  
Project Manager, ASHK

Raymond MAN  
Assistant Project Coordinator, ASHK

