

# YOUNG ACADEMY OF SCIENCES SUMMIT 青年科學家峰會

## PROGRAMME BOOKLET

2024-2025

### SUB-CONFERENCE VI

科學領航 啟迪未來

SCIENCE, THE PORTAL  
TO NEW ENLIGHTENMENTS

Organiser:



THE HONG KONG YOUNG  
ACADEMY OF SCIENCES  
香港青年科學院

Co-organiser:



大灣區共同家園青年公益基金  
Greater Bay Area Homeland Youth Community Foundation



WAYS | 世界青年科學家聯合會  
World Association  
of Young Scientists

Funding organisation:



Any opinions, findings, conclusions or recommendations  
expressed in this material (event for by members of the project team)  
do not reflect the views of the Government of the Hong Kong Special  
Administrative Region, the Innovation and Technology Commission  
or the General Support Programme Vetting Committee of the  
Innovation and Technology Fund.

Local academic partner



Supporting organisation



(Listed in alphabetical order)





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## YOUNG ACADEMY OF SCIENCES SUMMIT 青年科學家峰會

### ABOUT YASS

- Showcases the excellent research work of the young scientists in Hong Kong.
- Provides a unique platform for local young academics and scientists to gather and engage in a cross-disciplinary, cross-cultural and cross-institutional cooperation in Hong Kong.
- Demonstrates Hong Kong's unique position as a strong and energetic research base, well prepared for any knowledge transfer collaborations.





## ABOUT THE ORGANISER



### The Hong Kong Young Academy of Sciences

The Hong Kong Young Academy of Sciences (YASHK) was established in 2018 and is a chapter of The Hong Kong Academy of Sciences (ASHK). YASHK offers a strong platform for young scientists to make meaningful contribution to the Hong Kong community and build up a better research and education environment for science and technology. Currently, YASHK has 61 young scientists as its Members.

🌐 <https://yashk.org.hk>







## ABOUT CO-ORGANISERS



### Greater Bay Area Homeland Investments Limited

The Greater Bay Area Homeland Investments Limited was jointly established by international large-scale industrial institutions, financial institutions and new economic enterprises. Greater Bay Area Homeland Development Fund is set up under the Company to grasp the historical opportunities of the development of Guangdong-Hong Kong-Macao Greater Bay Area, and the construction of an International Innovation and Technology Hub, focusing on technological innovation, industrial upgrading, quality of life, smart city and all other related industries. The Company and the Fund cover venture capital, private equity investment, listed company investment, M&A investment and so on to offer financial support for outstanding entrepreneurs and enterprises, connecting industrial and financial resources, achieving long-term returns for shareholders and investors, and contributing positively to economic and social development.

🌐 <http://www.gbahomeland.com/>



### Greater Bay Area Homeland Youth Community Foundation

Founded in September 2019, the Greater Bay Area Homeland Youth Community Foundation (the "Foundation") is a charitable organisation that was established to leverage the enormous growth opportunities made possible by the Greater Bay Area concept. Guided by its mission of "For Our Youth For Our Future", the Foundation is a joint effort by young leaders from all walks of life to support Hong Kong youths in their studies, careers and entrepreneurship. Taking education and training as its focus, the Foundation hopes the work will enable young people to gain a better understanding of the region's business environment and culture that is conducive to their personal and professional growth.

🌐 <https://www.gbayouth.org.hk/>



## World Association of Young Scientists

World Association of Young Scientists (WAYS) is an international, academic, and non-profit social organization that is voluntarily formed by worldwide, regional, and national-wide youth technology organizations, universities, and professional research institutions. WAYS aims to build a platform for worldwide young scientists to exchange and learn from each other, consolidate the consensus of "technology for social good," and strive to promote sustainable development through scientific and technological innovation. It contributes the wisdom and strength of young scientists to achieve the United Nations Sustainable Development Goals and promote the construction of a community with a shared future for mankind.

🌐 <https://www.wyss.org.cn/>



## ABOUT THE FUNDING ORGANISATION

**π 創新科技署**  
Innovation and Technology Commission

### Innovation and Technology Commission

To promote the development of innovation and technology, an Innovation and Technology Commission (ITC) was set up on 1st July 2000, with the mission to spearhead Hong Kong's drive to become a world-class, knowledge-based economy. The Commission formulates and implements policies and measures to promote innovation and technology; supports applied research, technology transfer and application; promotes technological entrepreneurship; facilitates the provision of technology infrastructure and development of human resources; and promotes internationally accepted standards and conformity assessment services to underpin technological development and international trade. The Commission works closely with its partners in the Government, industry, business, tertiary education institutions and industrial support organisations.

Any opinions, findings, conclusion or recommendations expressed in this material/event (or by members of the project team) do not reflect the views of the Government of the Hong Kong Special Administrative Region, the Innovation and Technology Commission or the Vetting Committee of the General Support Programme of the Innovation and Technology Fund.



# YASS ACTIVITY OVERVIEW

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## 1st YASS SUMMIT

December 2023

### Sub-Conference I

March 2024

### Sub-Conference II

May 2024

### Sub-Conference III

September 2024

## 2nd YASS SUMMIT

December 2024

### Sub-Conference IV

March 2025

### Sub-Conference V

June 2025

### Sub-Conference VI

September 2025



# MEMBERS OF THE PROGRAMME COMMITTEE

03

The Programme Committee provides general oversight and advice to the YASS 2023-2025.



**Prof. Anderson SHUM**  
City University of Hong Kong



**Prof. Stephanie MA**  
The University of Hong Kong



**Prof. Minhua SHAO**  
The Hong Kong University of  
Science and Technology



**Prof. Kathy Oi Lan LUI**  
The Chinese University of  
Hong Kong



**Prof. Zijian ZHENG**  
The Hong Kong  
Polytechnic University



**Prof. Johnny HO**  
City University of Hong Kong



**Prof. Zhifeng HUANG**  
The Chinese University of  
Hong Kong



**Prof. Timothy BONEBRAKE**  
The University of Hong Kong



**Prof. Yang CHAI**  
The Hong Kong  
Polytechnic University



**Prof. Fuk Yee KWONG**  
The Chinese University of  
Hong Kong



**Prof. Shih-Chi CHEN**  
The Chinese University of  
Hong Kong



**Prof. Giulio CHIRIBELLA**  
The University of Hong Kong



**Prof. Kai LIU**  
The Hong Kong University of  
Science and Technology



**Prof. Danguan LEI**  
City University of Hong Kong



**Prof. Ken LEUNG**  
Hong Kong  
Baptist University



**Prof. Zuankai WANG**  
The Hong Kong  
Polytechnic University



**Prof. Amos TAI**  
The Chinese University of  
Hong Kong



**Prof. Joelle WANG**  
Hong Kong  
Baptist University



# YASS (2024-2025) SUB-CONFERENCE VI PROGRAMME RUNDOWN

04 SEPTEMBER 2025 (THURSDAY)

Time: 10:00 – 18:00

Venue: Chamber 3, InnoCentre

Theme: Advanced Manufacturing and New Energy Technology Industries

09:15 - 10:00

Registration

10:00 - 10:15

## OPENING CEREMONY

### Welcome Message



#### Zuankai WANG

Founding Member, The Hong Kong Young Academy of Sciences;  
Associate Vice President (Research and Innovation),  
Dean of Graduate School,  
Kuok Group Professor in Nature-Inspired Engineering,  
Chair Professor of Nature-Inspired Engineering,  
The Hong Kong Polytechnic University

## SESSION 1

### Nature-inspired Manufacturing

#### Speakers



**Topic | Drops of Innovation: Bridging Physics to Global Sustainability**

#### Steven WANG

Associate Vice President (Resources Planning),  
Office of the Vice-President (Talent and International Strategy),  
Deputy Director, Center for Nature-Inspired Engineering,  
Associate Professor, Department of Mechanical Engineering (Home)  
and School of Energy and Environment (Affiliate),  
City University of Hong Kong



**Topic | 100 Years of Piezoelectricity: New explorations in Bio-organic Materials and Ultrasound Energy Harvesting**

#### Zhengbao YANG

Associate Professor,  
Department of Mechanical and Aerospace Engineering,  
Director, Smart Transducers and Vibration Laboratory,  
The Hong Kong University of Science and Technology



**Topic | Microfluidics-Enabled Soft Manufacturing**

#### Pingan ZHU

Assistant Professor, Department of Mechanical Engineering,  
City University of Hong Kong



**Topic | Developing Advanced Human Machine Interfaces**

#### Yuan MA

Assistant Professor, Department of Mechanical Engineering,  
The Hong Kong Polytechnic University

### Panel Discussion

#### Moderator



#### Zuankai WANG

Founding Member, The Hong Kong Young Academy of Sciences;  
Associate Vice President (Research and Innovation),  
Dean of Graduate School,  
Kuok Group Professor in Nature-Inspired Engineering,  
Chair Professor of Nature-Inspired Engineering,  
The Hong Kong Polytechnic University

#### Panelists

Steven WANG  
Zhengbao YANG  
Pingan ZHU  
Yuan MA



12:20 - 13:45

## LUNCH

(by invitation)

13:45 - 15:40

## SESSION 2

### Technology & Material Evolution for Energy Storage

#### Speakers



**Topic |** Discovery and Fundamental Studies of Cathode Materials via Advanced Synchrotron Techniques

**Qi LIU**

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



**Topic |** GBA as a Testbed: Deploying Advanced Battery Storage Tech in Urban Energy Grids

**Jingjing LIU**

Vice General Manager /Deputy Director of Gotion HK Institute,  
Gotion High-tech (HK) Limited



**Topic |** Molecular Electrolyte Design for Advanced Batteries

**Aimin LI**

Assistant Professor, Department of Chemistry,  
The University of Hong Kong

#### Panel Discussion

##### Moderator



**Chunyi ZHI**

Member, The Hong Kong Young Academy of Sciences;  
Chair Professor, Department of Mechanical Engineering,  
The University of Hong Kong

##### Panelists

**Qi LIU**

**Jingjing LIU**

**Aimin LI**

15:40 - 16:00

Coffee break

16:00 - 17:55

## SESSION 3

### The Future of Electrochemical Energy Storage

#### Speakers



Topic | Towards new Sustainable Battery Chemistries via optical sensing

**Jean-Marie TARASCON**

Professor, Collège de France,  
Chair in “Chemistry of Solids – Energy”



Topic | Innovations in the AI Era for Sustainable Energy, Materials, and Environment

**Jiadong GONG**

Vice-President and Chief Technology Officer,  
Hong Kong International R&D Centre, CATL



Topic | Electrochemical Energy Storage: Opportunities and Challenges

**Guohua CHEN**

Chair Professor,  
Department of Chemical and Biological Engineering,  
The Hong Kong University of Science and Technology

#### Panel Discussion

##### Moderator



**Minhua SHAO**

Founding Member and Honorary Secretary,  
The Hong Kong Young Academy of Sciences;  
Cheong Ying Chan Professor of Energy Engineering and Environment,  
Head and Chair Professor, Department of Chemical and Biological  
Engineering, The Hong Kong University of Science and Technology

##### Panelists

**Jean-Marie TARASCON**

**Jiadong GONG**

**Guohua CHEN**



17:55-18:00

## CONCLUDING REMARKS

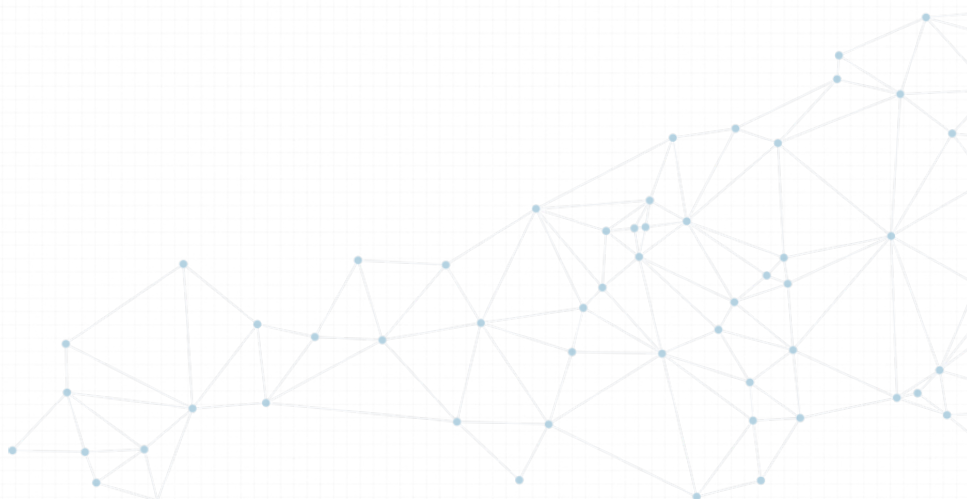


**Minhua SHAO**

Founding Member and Honorary Secretary,  
The Hong Kong Young Academy of Sciences;  
Cheong Ying Chan Professor of Energy Engineering and Environment,  
Head and Chair Professor, Department of Chemical and Biological  
Engineering, The Hong Kong University of Science and Technology

18:00

## END OF SUB-CONFERENCE VI



# SPEAKER PROFILE

## Zuankai WANG

Founding Member, The Hong Kong Young Academy of Sciences

Associate Vice President (Research and Innovation), Dean of Graduate School, Kuok Group Professor in Nature-Inspired Engineering, Chair Professor of Nature-Inspired Engineering, The Hong Kong Polytechnic University

Prof. Zuankai Wang is currently the Associate Vice President (Research and Innovation), Dean of Graduate School, Kuok Group Professor in Nature-Inspired Engineering, Chair Professor of Nature-Inspired Engineering at The Hong Kong Polytechnic University. He received his B.S. degree from Jilin University, M.S. degree from Shanghai Institute of Microsystem and Information Technology, Chinese Academy of Sciences, and Ph. D. degree from Rensselaer Polytechnic Institute. After one-year postdoc training at Columbia University, he joined the City University of Hong Kong (CityUHK) in 2009 and became a Chair

Professor in 2021. Professor Wang is a member of Hong Kong Academy of Engineering and Fellow of International Society of Bionic Engineering (ISBE) and Royal Society of Chemistry. He has received many awards including 2025 Nano Energy Award, 2025 Micro Flow and Interfacial Phenomena Prominent Research Award, 2024 Nukiyama Memorial Award (the highest award conferred by the Heat Transfer Society of Japan), Falling Walls Science Breakthroughs of the Year 2023 (Engineering and Technology), Croucher Senior Research Fellowship, BOCHK Science and Technology Innovation Prize, the RGC Senior Research Fellow, Green Tech Award, Xplorer Prize.

## Steven WANG

Associate Vice President (Resources Planning), Office of the Vice-President (Talent and International Strategy)  
Deputy Director, Center for Nature-Inspired Engineering

Associate Professor, Department of Mechanical Engineering (Home) and School of Energy and Environment (Affiliate), City University of Hong Kong

Prof. Steven Wang serves as the Associate Vice-President (Resources Planning) at City University of Hong Kong and is the Deputy Director of the Centre for Nature-Inspired Engineering. He obtained his PhD from Monash University and his Bachelor of Engineering from The University of Melbourne. Before assuming his current position, he conducted postdoctoral research at ETH Zurich from 2015 to

2016 and at the Massachusetts Institute of Technology from 2014 to 2015. Prof. Wang has published extensively in prestigious journals, including Nature, Nature Chemical Engineering, PNAS, Nature Communications, Science Advances and Physical Review Fluids. His contributions to the field were recognized when he received the Research Project of the Year: STEM award at the Times Higher Education (THE) Awards Asia 2024.

## Zhengbao YANG

Associate Professor, Department of Mechanical and Aerospace Engineering

Director, Smart Transducers and Vibration Laboratory, The Hong Kong University of Science and Technology

Prof. Zhengbao YANG earned his bachelor's degree from the Harbin Institute of Technology and completed his Ph.D. at the University of Toronto in 2016. He is currently an associate professor in the Department of Mechanical and Aerospace Engineering at the Hong Kong University of Science and Technology, where he also serves as the director of the Smart Transducers and Vibration Laboratory (STVL). Prof. Yang is an IEEE Senior Member and has been recognized as one of the "Top 2% Scientists in the World" by Stanford University. His research interests encompass Smart Materials and Mechatronics,

with a particular emphasis on the development of piezoelectric materials, energy harvesters, and wireless sensor systems. Prof. Yang has applied for 24 patents in China and the USA and has authored over 150 academic articles in high-impact journals, including 16 papers in the Nature and Science series over the past five years. Under his leadership, the STVL lab has graduated 11 PhD students, 6 postdoctoral researchers, and more than 30 MSc students, some of whom have received recognition from the China Overseas Talent Scheme or have joined top high-tech companies worldwide.





## Pingan ZHU

Assistant Professor, Department of Mechanical Engineering, City University of Hong Kong

fluid dynamics, surface wettability, micro/nanorobotics, and biomimetics. Dr. Zhu has developed the Microfluidics-Enabled Soft Manufacturing (MESM) platform, which leverages microfluidically generated fluid templates to fabricate materials

with programmable properties and functionalities. MESM presents a transformative strategy for advanced manufacturing by enabling the scalable, high-precision production of micro-/nano-mechanical systems, offering a promising solution to the long-standing trade-off between precision and throughput. His contributions have been recognized through multiple honors, including the IAAM Scientist Medal, Micromachines Young Investigator Award, and TechConnect Global Innovation Award.



## Yuan MA

Assistant Professor, Department of Mechanical Engineering, The Hong Kong Polytechnic University

Dr. Yuan Ma received his bachelor's and M.S. degrees in mechanical engineering and materials science from Tsinghua University, Beijing in 2011 and 2013, respectively. He received his Ph.D. degree in mechanical engineering from the University of California, Berkeley in 2018. He is currently an Assistant Professor at the Hong Kong Polytechnic University. His research interest includes micro/nano scale mechanical and tribological behavior of human-machine interfaces,

haptics metamaterials development, wearable devices with piezoelectric materials, and application of artificial intelligence in human-machine interactions. He has authored 12 peer-reviewed journal papers in Science Robotics, Nature Reviews Electrical Engineering, Device, Advanced Materials, ACS Nano, Advanced Functional Materials, ACS Applied Materials and Interfaces, Applied Physics Letters, IEEE Transaction on Haptics, and IEEE Transaction on Magnetics.



## Qi LIU

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

Prof. Liu Qi is currently an Associate Professor in the Department of Physics, City University of Hong Kong. He obtained his Ph.D from Purdue University in 2014. Before joining CityUHK, he worked as a postdoctoral fellow at Argonne National Laboratory. His current research interests focus on the structure-property-studies of functional materials via multiple neutron and synchrotron-based techniques. His broad research activities include the design and synthesis of novel energy storage materials, phase transition mechanism and neutron/synchrotron physics. Currently, Prof. Qi LIU has published 128 peer-reviewed journal papers including 14 Nature or Nature's

sister Journals such as Nature Energy and Nature Materials. He has a citation of >10,000 and H-index of 53. Also, among all the published papers, the PI has 30 papers as first or corresponding authors in the elite journals (4 Nature Energy, 1 Nature Sustainability, 2 Nature Communications, 2 Advanced Materials, et al.). Prof. Qi LIU also has 12 patents filed in the US and China. Prof. LIU has been invited to deliver more than 50 talks at international conferences, workshops, symposiums, seminars and online webinars. He is the recipient of the President's Award 2021 by CityUHK and the Rising Star Lecturer (Physics) by the Hong Kong Institute of Advanced Study. In 2019, he was elected as a Committee member of the Chinese Ceramic Society (1 of 2 Hong Kong representatives).



## Jingjing LIU

Vice General Manager /Deputy Director of Gotion HK Institute, Gotion High-tech (HK) Limited

### Education background

MPhil and Ph.D.: The Chinese University of Hong Kong 2009-2015

Electronic Science and Technology (Photonics Laboratory: Founder Sir Charles Kuen Kao)

### Work experience

Vice General Manager / Deputy Director of Gotion High-tech (HK) Limited

(A wholly owned subsidiary of Gotion High-tech Co., Ltd. (SZ.002074))

2022-Present

Responsibilities include:

- Hong Kong company start-up and local operations management
- School-enterprise R&D cooperation
- Local strategic customers and business development
- Expand new application scenarios and new products development
- Localized after-sales system construction
- Government relations and investor relations



## Aimin LI

Assistant Professor, Department of Chemistry, The University of Hong Kong

Ai-Min Li is an Assistant Professor in the Chemistry Department at The University of Hong Kong (HKU). He possesses an interdisciplinary research background, spanning organic chemistry, supramolecular assembly, crystalline materials (including MOFs, COFs, main-group clusters), and electrochemical engineering. Ai-Min received his Ph.D. degree in Chemistry from Johannes Gutenberg University Mainz (Germany) in 2018, then joined the University of Maryland, College Park (UMD) as a postdoctoral researcher, later promoted to an assistant research scientist in [Prof. Chunsheng Wang](#)'s group. His work addresses the broad interphase issues in many battery systems (from highly reactive lithium and sodium metal

anodes to high-energy silicon anodes, to high-voltage Ni-rich and low-cost sulfur cathodes), which highlights the important role of chemistry knowledge in leveraging the stability between solvating media and conducting salts for effective interphase design. The outcome of Ai-Min's research has been published in top-tier journals such as Nature Chemistry, Nature Energy, Nature Nanotechnology, Nature Materials, and Nature Sustainability, and featured by major media outlets such as Nature News, ScienceNet, and TechXplore. [Ai-Min's lab at HKU](#) aims to address critical challenges facing today's energy storage using multidisciplinary knowledge and to provide insights from both fundamental and practical perspectives toward a sustainable and carbon-zero future.





## Chunyi ZHI

Member, The Hong Kong Young Academy of Sciences

Chair Professor, Department of Mechanical Engineering, The University of Hong Kong

Chunyi ZHI obtained a B.S. in Physics from Shandong University and a Ph.D. in condensed matter physics from the Institute of Physics, Chinese Academy of Sciences. After two years as a postdoctoral fellow at the National Institute for Materials Science (NIMS) in Japan, he was promoted to ICYS researcher, researcher, and senior researcher (permanent position) at NIMS. Dr. Zhi is now a Chair Professor at the Department of Mechanical Engineering, the University of Hong Kong.

Dr. Zhi has extensive experience in aqueous electrolytes, solid-state, and zinc ion batteries. By July 2025, He has published over 500 papers with an h-index of 153 and citations of >80000 (Google). He has been granted more than 100 patents.

Dr. Zhi is a recipient of the Outstanding Research Award and President Award of CityUHK, the NML Researcher Award, and the Beijing Science and Technology Award (first class). He is a Clarivate Analytics Global highly cited researcher (2019-2024, Materials Science; 2024, Environment and Ecology), RSC fellow, member of the Hong Kong Young Academy of Sciences, and RGC Senior Research Fellow.



## Jean-Marie TARASCON

Professor, Collège de France, Chair in “Chemistry of Solids – Energy”

Jean-Marie Tarascon is Professor at the Collège de France holding the chair “Chemistry of solids – Energy”, but much of his early career was spent in the US where he discovered the plastic Li-ion technology.

Back in France in 1995, he founded the European network of excellence ALISTORE-ERI and more recently the French network

on electrochemical energy storage (RS2E). Tarascon’s present research is devoted to battery materials/electrolytes, novel reactivity concepts, chemistries beyond lithium and sensing. He is the author of about 700 scientific papers, holds more than 100 patents and has received numerous awards. Among the latest, the Balzan Prize in 2020, the CNRS Gold Medal in 2022 and the 2024 IBA Medal of Excellence.



## Jiadong GONG

Vice-President and Chief Technology Officer, Hong Kong International R&D Centre, CATL

Jaydon Gong is the VP and CTO of the Hong Kong International R&D Centre of CATL, i.e., CATL Hong Kong Research. Prior to that, Jaydon was the CTO & CIO of QuesTek Innovations. He has been in technology leadership roles in designing, developing, and deploying novel materials using materials genomic methods and advanced computational tools, particularly by integrating science-based modeling with AI/ML methods to

establish a digitalized engineering platform. Jaydon has served as a principal investigator and technical leader in key programs with various governmental and commercial clients, focusing on aerospace, automotive, energy, and electronics applications, as well as additive manufacturing. He Holds mutiple patents globally. He pursued his Ph.D. in Materials Science & Engineering at Northwestern University (Evanston, US), and earned his B.S. and M.S. from Tsinghua University (Beijing, CN).



## Guohua CHEN

Chair Professor, Department of Chemical and Biological Engineering,  
The Hong Kong University of Science and Technology

Professor Chen received his BEng in Chemical Engineering from Dalian University of Technology. He then obtained MEng and PhD from McGill University.

He started his academic career from the Hong Kong University of Science and Technology where he worked for 22 years and also served as the Head of the Department of Chemical and Biomolecular Engineering. He was an Associate Vice President (Research Support), Chair Professor of Energy Conversion and Storage, at the Department of Mechanical Engineering, the Hong Kong Polytechnic University (2017-2022). He worked as the Chair Professor of Smart Energy Conversion and Storage, at City University of Hong Kong and served as Dean of School of Energy and Environment (2022-2024). He is now a Chair Professor at

the Hong Kong University of Science and Technology in the Department of Chemical and Biological Engineering.

He has published over 350 peer reviewed papers with google citation over 40,000 and h-index of 109. He serves as Editor, Separation and Purification Technology, Editor-in-Chief, Process Safety and Environmental Protection, Associate Editors for Energy Materials and Devices, Canadian Journal of Chemical Engineering, Chinese Journal of Chemical Engineering, Energies.

He is a Fellow of Hong Kong Institute of Engineers, American Institute of Chemical Engineers, Hong Kong Academy of Engineering, and Canadian Academy of Engineering.



## Minhua SHAO

Founding Member and Honorary Secretary, The Hong Kong Young Academy of Sciences

Cheong Ying Chan Professor of Energy Engineering and Environment,  
Head and Chair Professor, Department of Chemical and Biological Engineering,  
The Hong Kong University of Science and Technology

Minhua Shao is the Cheong Ying Chan Professor of Energy Engineering and Environment, Head and Chair Professor in the Department of Chemical and Biological Engineering at the Hong Kong University of Science and Technology (HKUST). He is also the Director of the HKUST Energy Institute. He earned BS and MS degrees in Chemistry from Xiamen University, and a PhD degree in Materials Science and Engineering from the State University of New York at Stony Brook. Dr. Shao joined UTC Power in 2007 leading the development of advanced electrocatalysts for fuel cells, and was promoted

to UTC Technical Fellow in 2012. In 2013, he joined Ford Motor Company to conduct research on lithium-ion batteries. He then joined HKUST in 2014. He is the Technical Editor of Journal of the Electrochemical Society. He has published over 300 peer-reviewed articles. He has also received a number of awards, including the International Outstanding Young Chemical Engineer Award (2022), Supramaniam Srinivasan Young Investigator Award from the ECS Energy Technology Division (2014). He is one of the founding members of The Hong Kong Young Academy of Sciences and Fellow of the Electrochemical Society.



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# ACKNOWLEDGEMENTS

## ORGANISER



## CO-ORGANISERS



## LOCAL ACADEMIC PARTNERS



## SUPPORTING ORGANISATIONS



## FUNDING ORGANISATION



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(Listed in alphabetical order)



YOUNG ACADEMY  
OF SCIENCES SUMMIT  
青年科學家峰會

## CONTACT US



THE HONG KONG YOUNG  
ACADEMY OF SCIENCES  
香港青年科學院

### The Hong Kong Young Academy of Sciences

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