

Press Release

**Newly elected Members and Honorary Member of
The Hong Kong Academy of Sciences**

Hong Kong, 3 December 2019 – The Hong Kong Academy of Sciences (ASHK) held its fourth Annual General Meeting and elected a new batch of members on 26 November 2019. Professor Anthony Gar-On YEH (葉嘉安), Professor Zuowei XIE (謝作偉) and Professor Ping SHENG(沈平) were elected as the Academy’s latest Members. Professor Lap-Chee TSUI, the Founding President of The Academy, is most delighted by the election results and congratulated the three new Members of different academic specialties; he looks forward to working with them to further the contributions of The Academy to society.

Professor Anthony Gar-On YEH is a pioneer in the research and development of geographic information systems (GIS) in urban planning and management. He has developed a family of constrained cellular automata (CA) urban planning models that can be used to generate different planning options.

Professor Zuowei XIE is an internationally renowned chemist specializing in organometallic chemistry and has published over 290 scientific papers and received numerous honors and awards including the prestigious State Natural Science Prize and Chinese Chemical Society Yao-Zeng Huang Award in Organometallic Chemistry.

Professor Ping SHENG is an internationally renowned physicist. He has made fundamental contributions to the science of composites and soft matter; in particular the initiation and development of acoustic metamaterials leading to novel applications in noise remediation.

Professor TSUI is also happy to announce that Professor S.T. YAU (丘成桐教授) has accepted to be an Honorary Member of The Academy; Prof Yau is renowned for his seminal achievement in mathematics internationally and his contribution to science and mathematics education and research in Hong Kong.

Appendix

About the new Members of ASHK

Professor Anthony Gar-On YEH (葉嘉安教授), an urban planner and a pioneer in the research and development of geographic information system (GIS) as planning support systems. He is the Chair Professor and Chan To-Hann Professor in Urban Planning and Design of the Department of Urban Planning and Design and Director of GIS Research Centre of the University of Hong Kong. His main areas of specialisation are in the applications of geographic information systems (GIS) as planning support system and urban development and planning in Hong Kong, China, and South East Asia. Professor YEH is a member of the Chinese Academy of Sciences, the World Academy of Sciences (TWAS), and a fellow of Hong Kong Institute of Planners (HKIP), Royal Town Planning Institute (RTPI), Planning Institute of Australia (PIA), Royal Institution of Chartered Surveyors (RICS) and Chartered Institute of Logistics and Transport (CILT). He received the UN-HABITAT Lecture Award in 2008.



Professor Zuowei XIE (謝作偉教授), an internationally renowned chemist specializing in organometallic chemistry, is the Choh-Ming Li Professor of Chemistry in The Chinese University of Hong Kong. His research interests lie in the fields of organometallic chemistry, carboranes, supercarboranes metallocarboranes and the chemistry of boron clusters. Professor XIE is a member of the Chinese Academy of Sciences and a Fellow of the Royal Society of Chemistry. He has published over 290 scientific papers and received numerous honors and awards including the prestigious State Natural Science Prize (2008 and 1997), Chinese Chemical Society Yao-Zeng Huang Award in Organometallic Chemistry (2010) and The Croucher Senior Research Fellowship (2003).



Professor Ping SHENG (沈平教授), an internationally renowned physicist, is the Dr. William M. W. Mong Chair Professor of Nanoscience in The Hong Kong University of Science and Technology (HKUST). Professor Sheng's research is in the area of condensed matter physics, and has made major breakthroughs in the areas that span nanomaterials, soft condensed matter physics and wave functional materials. Working with the HKUST research team, Prof SHENG's achievements included the discovery of superconducting behavior in carbon nanotubes, the giant electrorheological effect in suspensions of nanoparticles, as well as the invention of locally resonant sonic materials that initiated the field of acoustic metamaterials. He has also initiated and contributed to the effort that led to the solution of the classical problem of moving contact line in immiscible flows, by using the Onsager's principle of minimum energy dissipation. Professor SHENG is a Fellow of the American Physical Society and Member of the Asia Pacific Academy of Materials. He was awarded the 2013 Brillouin Medal by the International Phononics Society, and awarded the 2018 Rolf Landauer Medal by the International ETOPIIM Society. Prof. Sheng has published over 375 papers and presented over 290 keynote or invited talks at international meetings and conferences and also holds 24 US patents.



Professor S. T. YAU (丘成桐教授), a world renowned mathematician, is William Caspar Graustein Professor of Mathematics in Harvard University, Distinguished Visiting Professor-at-Large and Director of The Institute of Mathematical Sciences in The Chinese University of Hong Kong. Professor YAU's work is in geometry in the broadest sense. He was the first person to combine differential geometry and analysis, and used their interaction to solve longstanding problems in both subjects. Professor YAU's work opened up new directions, set foundations and changed people's perspectives towards mathematics and their applications in physics and computer science. Professor YAU has received many prestigious awards over the years, including the Oswald Veblen Prize (1981), the Fields Medal (1982), John D. and Catherine T. MacArthur Fellowship (1985), the Crafoord Prize (1994), the (U.S.) National Medal of Science (1997), the Wolf Prize (2010) & the Fifteenth Marcel Grossmann Award (2018).



Established in 2015, The Hong Kong Academy of Sciences (ASHK) is committed to promoting the development and advancement of science and technology in Hong Kong, and fostering Hong Kong as a centre of scientific excellence.

ASHK has several key functions: (a) to promote the development and advancement of science and technology in Hong Kong, (b) to promote and advance the teaching of science and technology in Hong Kong, (c) to educate and inform the public on issues pertaining to science and technology and (d) to foster Hong Kong as a centre of scientific excellence.

The Academy cooperates with organisations with complementary objective, including those in the industrial and commerce sectors to achieve its objectives. It also conducts independent studies relating to public policy in science and technology.

More information about ASHK is available at <http://www.ashk.org.hk/>

The above information is released by AsiaNet Communications Ltd on behalf of ASHK.

Media Enquiry:
AsiaNet Communications Ltd
Ms Gloria Lam
Tel: 2508 3668 / 9128 4046
Email: gloria@asianet-sprg.com.hk