

Chinese University

BULLETIN

No. 2, 2018

**Taking CUHK's Educational
Philosophy Northward**



香港中文大學55周年
55TH ANNIVERSARY OF CUHK

Chinese University BULLETIN

02 Taking CUHK's Educational Philosophy Northward

- 04 A Chinese University in Shenzhen
- 10 The Colleges
- 14 Our College Life
- 16 Dedicated Research, Quest for Knowledge
- 18 Way to Go

20 Fifty-five Splendid Years

22 The 85th and 86th Congregations

26 In Memory of Professor Sir Charles Kao

28 Distinguished Alumna Makes her Marks in Melbourne

30 Stay Mobile, Stay Musical

33 The Best and the Brightest

34 News in Brief

- 34 Appointments
- 35 Honours and Recognitions
- 37 Research
- 39 Activities and Events
- 40 Intellectual Cross-currents



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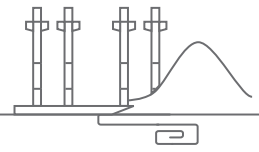
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Taking CUHK's Educational Philosophy Northward





The year 2018 is a special year for The Chinese University of Hong Kong. It marked not only the University's 55th anniversary, but also saw the first batch of over 300 graduates from another institution with the same name—the four-year-old CUHK (SZ) located in Longgang District, Shenzhen.

Since the late 1970s, CUHK has been working in partnership with mainland universities and institutes in research and programme collaborations, endeavours which have grown in scale and intensified since the 2000s. In 2006, CUHK established the Shenzhen Institute of Advanced Technology in collaboration with the Chinese Academy of Sciences and the

Shenzhen Municipal Government. In 2009, CUHK started to build the CUHK Shenzhen Research Institute in the Nanshan District, which was eventually opened in late 2011 as a base for research, development, training, and technology transfer. In March 2009, the University also established the CUHK-BGI Genome Research Centre in collaboration with the Beijing Genomics Institute, Shenzhen.

With the idea of transplanting and furthering CUHK's mission to combine tradition with modernity, and to bring together China and the West, the University Council set up a task force in late 2009 to assess the feasibility for the University to

establish a new university on the mainland. This new university would have to ensure that the quality of the educational experience it offers is on par with that in Hong Kong. In March 2014, the establishment of The Chinese University of Hong Kong, Shenzhen was approved by the State Ministry of Education.

This issue of the *CUHK Bulletin* takes you across the border to see how the young CUHK (SZ) has grown from a campus of only 300 students to its present student body of over 4,000, and how it has ranked first in admitting the highest scoring candidates in the Guangdong Province for three consecutive years.



Quick Facts

 **Campus Area:**
1,000,000 m²

 **Phase I Construction Area:**
300,000+ m² completed

4 Schools :



School of Management and Economics



School of Science and Engineering



School of Humanities and Social Science



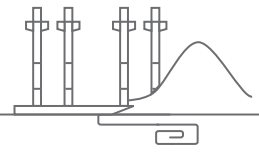
School of Life and Health Sciences



14 Major Programmes Offered:

- Marketing and Communication
- Global Business Studies
- Economics
- Finance
- Professional Accountancy
- Statistics
- Mathematics and Applied Mathematics
- Bioinformatics
- Computer Science and Engineering
- Electronic Information Engineering
- New Energy Science and Engineering
- Biomedical Engineering
- Translation
- Financial Engineering





A Chinese University in Shenzhen



At the main entrance to CUHK (SZ) on the Longxiang Avenue of the Longgang District, the visitor is immediately greeted with a colossal stone slab inscribed with the name of the university. The only difference from its Shatin equivalent is the addition of ‘Shenzhen’. The four totemic pillars so familiar to the CUHK community are placed to the right of the stone slab, while those in Shatin are placed to the left.

CUHK (SZ) has two other entrances: the East Entrance has a similar slab bearing its Chinese name; the slab at the New South Entrance bears its English name.

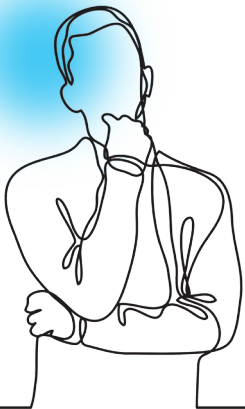
Strategic Location

That CUHK (SZ) is located in Shenzhen is the fruit of strategic thinking. Prof. **Xu Yangsheng**, President of CUHK (SZ), explained, ‘In the conceptual stage of the project, we carried out research on the states of development of higher education and research in Beijing, Shanghai and Shenzhen, economic hubs of the Bohai Sea Rim, the Yangtze River Delta and the Pearl River Delta, respectively, and discovered that they were very uneven. Beijing had 30 key universities and more than 200 national research institutes. Shanghai had over 20 and 60, respectively. But Shenzhen has only Shenzhen University and no national research institute. Even the whole of Guangdong did not fare better. Clearly the Pearl River Delta was faced with the gap between higher education provision and technological development.’

Shenzhen’s proximity to CUHK’s Shatin campus is a natural advantage

to teaching and research collaboration and student exchange. Further, riding on the rapid growth of the country’s spending on education and research, technological innovation has been thriving, with many new high-tech enterprises moving in. Tech giants Tencent and Huawei, for example, chose their headquarters in the city. A better location to build a new university to further the missions of CUHK cannot be found.

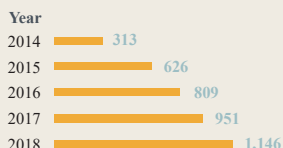
From the perspective of student recruitment, in 2018 alone, the mainland’s National College Entrance Examination (*Gaokao*) saw 9.75 million exam-sitters. Guangdong alone contributed to 760,000 candidates. This figure is more than 10 times the number of candidates taking the Hong Kong Diploma of Secondary Education exams each year. ‘Given the larger pool, even if we take in only 1% of the high-achieving students, the enrolment number is already quite remarkable. There is no cause for worry.’



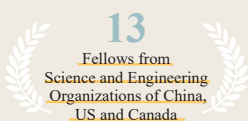
Quick Facts



Student Admission



270+ Teachers



A Unique University

Establishing CUHK (SZ) was not all plain sailing. Professor Xu conceded that there was initial skepticism about what good it would do CUHK, and at times cultural differences had to be overcome in communicating with mainland authorities. Yet CUHK remained steadfast in its purpose. In his speech at the first graduation ceremony of CUHK (SZ), Professor Xu captured his belief thus: 'One man's passion is worth a century of education, millennia of reputation, and aeons of good faith.'

Professor Xu joined CUHK in 1997 as chairman of the Department of Mechanical and Automation Engineering, and was appointed Pro-Vice-Chancellor in 2011. In 2013, he was appointed President of CUHK (SZ). Years of service at CUHK have brought him thorough understanding of its educational ideals. He remarked, 'CUHK's mode of education is unique: placing emphasis on both traditional Chinese culture and humanistic spirit, CUHK provides whole-person education through bilingual teaching, the collegiate system and general education. Among the 1,000+ universities on the mainland, none is able to embody all of the above within a single institution.'

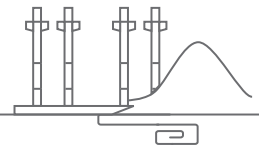
The academic quality assurance and degree requirements of CUHK (SZ) programmes are in line with CUHK's. All of the academic programmes of CUHK (SZ) are approved and monitored by the Senate of CUHK, and audited and assessed in the 2015 same exercise conducted on CUHK by the Quality Assurance Council under Hong Kong's University Grants Committee. Upon fulfilling all graduation requirements,



CUHK (SZ) graduates are conferred CUHK degrees.

The distinguishing marks of CUHK's education can be seen everywhere on the Shenzhen campus. Four Colleges have been established here, namely, Shaw, Diligentia, Muse and Harmonia. Its general education curricula are a replica of CUHK's, comprising 'In Dialogue with Nature' and 'In Dialogue with Humanity'—the two foundation programmes which prompt students to explore the world of science and knowledge, and reflect on the ideal society and the good life, respectively—and four required study areas: Chinese Cultural Heritage; Nature, Science and Technology; Society and Culture; and Self and Humanity.

Professor Xu said, 'Our goal is to build a first-class comprehensive research university that is rooted in China with eyes on the world, making contributions to the country's higher education reform and cultivating talent who comfortably traverse East and West, past and present, and arts and



science. We have high hopes of them carrying forward important Chinese traditions while acquiring a global mindset. We want them to be creative, while being prepared at all times to assume greater responsibilities.’ CUHK (SZ) insists on recruiting the best teachers from around the world, and nearly 90% of the programmes are taught in English. CUHK (SZ) is also intent on forging collaborations with internationally-renowned institutions. Right now, it has 87 partner universities, and collaborative projects consist of student exchanges, joint programmes, research partnerships and international summer programmes, among others.

Recognition Follows Hard Work

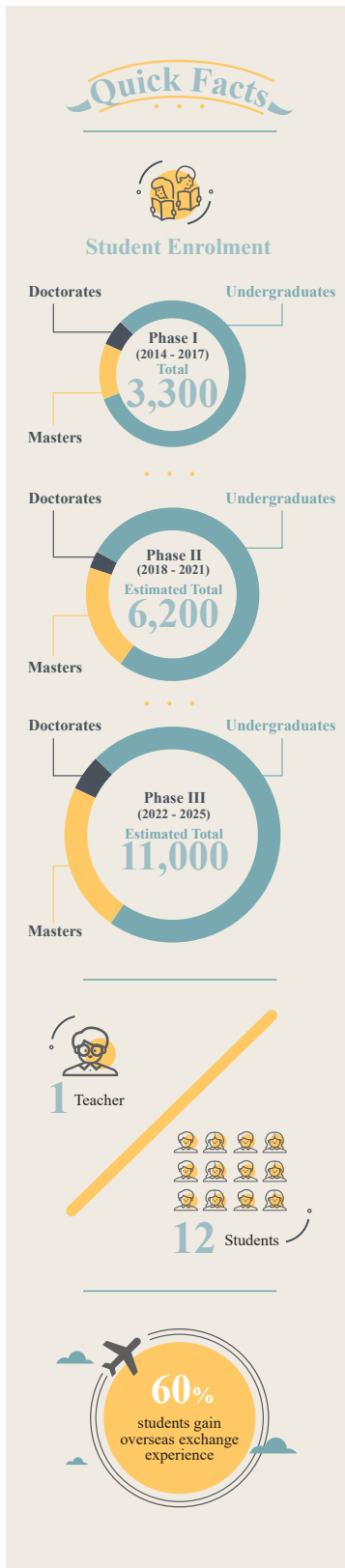
The annual tuition fee of China’s top public universities such as Peking University, Tsinghua University, Fudan University and Shanghai Jiao Tong University is around RMB 6,000. Private universities charge between RMB 10,000 and RMB 20,000. The newly established CUHK (SZ) charges RMB 95,000 a year. That it had to

stand out in the crowd and win the trust of students and parents in its first student recruitment exercise goes without saying.

In order to enlist the service of the best educators and researchers, Professor Xu took it upon himself to fly to the UK and the US to recruit renowned professors, academics and researchers to join the team. His travels and travails have resulted in the coming on board of four Nobel laureates, two Turing Award winners, a Fields medalist, along with a number of experts from national and international professional bodies.

Professor Xu also visited and hosted admissions talks in as many as 83 secondary schools across the country, where he explained the missions and vision of CUHK (SZ) and won widespread approval from students, parents and members of the public. Over 300 students were admitted in the very first year in 2014. The student intake was doubled the next year to around 600, and the latest

figure in 2018 went beyond 1,100. Most remarkably, the average score of the admittees in the science and the arts majors in the 2018 *Gaokao* surpassed those of the first-tier universities by 133 marks and by 82 marks, respectively. Their average score for English was 138 out of a full mark of 150. For three years in a row, CUHK (SZ) has recorded the highest admission scores among universities in Guangdong. Among the top students admitted are the top scorer in science in Guangdong Province and the second highest scorer in science in Fujian Province.



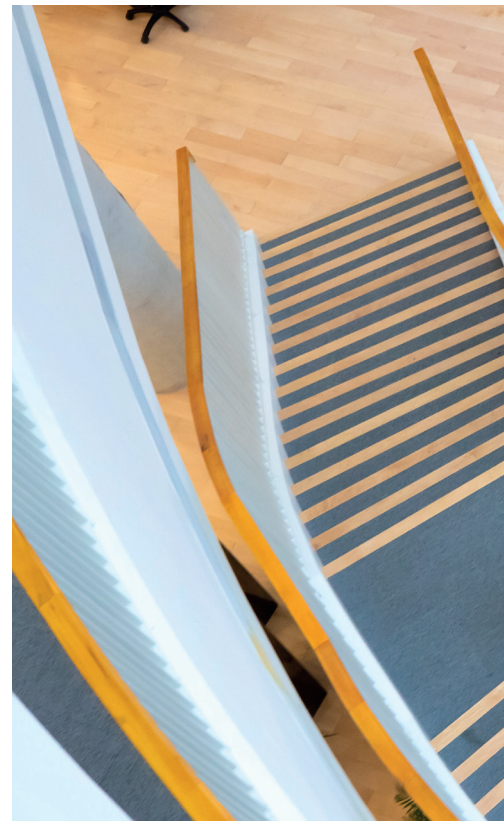
At the time of the interview, Professor Xu had just been back from an admission talk in Chongqing the previous day. “I was deeply moved by parents’ enthusiasm and support for us in the more than 80 schools we called on. In one of the talks which was wrapping up well past nine, when rain was pouring down outside, we saw some people distributing to the attending parents umbrellas with the University’s name and telling them that ‘this is a university truly dedicated to nurturing talent’. It transpired that they were parents of our current students. Having seen what improvements their children had made in more ways than one, these parents had voluntarily had some umbrellas made to promote the school to other parents.”

Professor Xu added that parents had now become CUHK (SZ)’s best ambassadors and spokespersons. Apart from introducing the school among their social circles and on websites, they organize promotional activities from time to time of their own accord.

For the brilliant track record achieved by CUHK (SZ) within a mere four years, Professor Xu offered four explanations: (1) the right positioning, with an international outlook and humanistic orientation appealing to the general public; (2) an apposite location; (3) first-class teaching and learning, made possible by the best students and teachers; (4) the support of CUHK and Shenzhen.

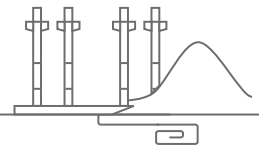
Thoroughly Student-Centred

In spite of his packed schedule, Professor Xu takes great care to make time for student activities. He joins the students in hiking and growing



vegetables from time to time, where he gets to understand their needs and how well they adapt to university life. ‘Many CUHK (SZ) students are avid learners. They have a lot of respect for their teachers, while maintaining close, affectionate relationships with them. They are also immensely creative, always keen to establish different kinds of societies and organize activities. It is good to know students enjoy both studies and school life.’

Professor Xu’s care for students goes far beyond that. The professor famed for his research on robots is used to penning down his reflections during his waits at airport lounges in between official visits. These short pieces, published on social media platforms, share with students his thoughts and experiences. In 2018, he published a compilation of these articles in both



traditional and simplified Chinese versions under the titles of *Gifts from My Teacher* and *The Ferryman*, respectively, with the last presented to graduates and even unsuccessful applicants to the school as a gift. Professor Xu explained, ‘There were some candidates who were so intent on attending CUHK (SZ) that they gave up the chance to get into other universities and apply to our school

again, only to be rejected a second time. The book is a small token of our appreciation for their appreciation.’

Heading to the Next Stage

Professor Xu pointed out that establishing a good foundation for teaching was the first priority for CUHK (SZ). ‘We will continue to launch new programmes. In 2018, we launched the financial engineering programme. The School of Life and Health Sciences was established to integrate subjects in the life sciences, health sciences, and research and bioengineering design. Adopting a rigorous and multi-faceted teaching approach, the School aims to nurture leaders and innovators in respective fields. Further, a music programme is being considered to enhance our education in the arts and humanities.

‘After that, we’ll turn our attention to research development and grooming research students in order to address the demand for experts in the development of the Greater Bay Area and the country. We are going to work together with the Shatin campus to push the envelope. Chief Executive Mrs. **Carrie Lam Cheng Yuet-ngor** has visited CUHK (SZ) on more than one occasion, officiating at the opening ceremony of Harmonia College and leading delegations of principal officials of the HKSAR government to understand our work. They were duly impressed.’

Professor Xu is convinced that the collaboration of two CUHK campuses would result in an unprecedented synergy that benefits both universities, as well as Hong Kong, the Greater Bay Area and mainland China.



The Colleges

In the spirit of the college system of CUHK, all undergraduate and postgraduate students admitted to CUHK (SZ) can apply for affiliation with one of the Colleges. CUHK (SZ) provides full residence. Wardens and resident tutors help promote hostel life and enhance communication among residents. CUHK (SZ) has four Colleges, namely, Shaw College, situated in Phase 0 of the campus, and Diligentia College, Muse College and Harmonia College, all located in the northern part of the campus.



Shaw College

Supported by a generous donation from the Shaw Foundation (Hong Kong) Limited, Shaw College, the first college of CUHK (SZ), was established in September 2016. The College provides students with a home where they can live and learn together, and share the joys of discovering knowledge with students from all over the world.

With the educational goal of *In Pursuit of Virtue and Excellence*, the College promotes multiculturalism to enable students from overseas and all regions of China to live in harmony and learn from each other. Most of the College's events are conducted in both Chinese and English. These include the series of activities called 'A Taste of Elegancy'—wine tasting, ballroom dance class and business etiquette training—and events that introduce students to other cultures and traditions such as the Fiesta de Año Nuevo and the Halloween Festival.

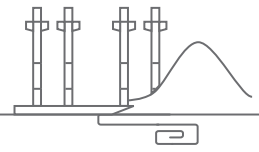
The College also encourages its residents to get involved in various external activities. Students have been invited to the Shaw Prize Public Forum at the Hong Kong Science Museum for the past two years. To develop a close and special bond between Shaw College and other universities/colleges, the College holds regular basketball friendly matches with Shaw College of CUHK, the Southern University of Science and Technology, and Shenzhen University.

Currently, Shaw College has a student population of 1,351, of which 1,249 are undergraduates, 87 postgraduates and 15 exchange students.

“
Through formal and informal education programmes, Shaw College aims to sharpen students' intellectual acumen, broaden their horizons and enhance lifelong learning skills. They are expected to possess intellectual curiosity, integrity and social responsibility and be committed to serving the community, the nation and the world.
”



Prof. Janny M.Y. Leung,
Master of Shaw College



Diligentia College

Diligentia College was established in October 2016. Through a variety of collective activities, the College aims to cultivate in students a sense of belonging, a self-determined, innovative and enterprising spirit, multi-perspectival thinking and social responsibility.

The College offers a wide range of regular activities including various lecture series, night talks, high-table dinners, handicraft workshops, the Master's tea receptions, golf practice sessions, career internships and online sharing forums. There are also annual events such as the New Year Party, the Hakka Chinese New Year's Eve Dinner, cultural festivals, the Orientation Ceremony, and Sports Day. The residential student association organizes the Earth Day outdoor event and the Mid-Autumn Festival Garden Party.

A number of scholarships and awards were set up to encourage all-round development, such as student activities excellence awards, hostel performance awards, outstanding social service awards and distinguished service awards. A total of 1,112 students were assigned to Diligentia College, of whom 849 are undergraduates, 249 graduates and 14 exchange students.

“*Diligentia College encourages students to explore their talents and nurtures them to be future leaders with critical thinking, empathy, innovation and social responsibility by offering an environment conducive to their intellectual, personal and social development.*”



Prof. Gu Yang,
Master of Diligentia College



Muse College

Established in the fall of 2016, Muse College has a student population of 1,196. The college's vision of *Principles and Practice, Dedication to Humanity*, encompasses three core values: co-living, co-sharing, co-flourishing.

Muse College aims to establish a just, caring, and harmonious community that is diverse and conducive to students' growth and attainment of excellence, where students respect and trust each other in an inclusive and friendly atmosphere. The College cultivates talent and promotes the idea and practice of whole-person education with equal emphasis on knowledge, skills and value.

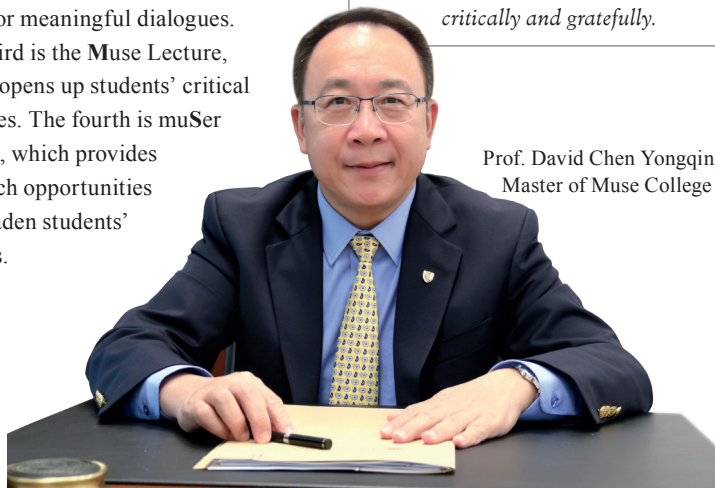
In Muse College, students will improve their interpersonal skills, cultivate cultural tastes, build up self-confidence and enhance their sense of responsibility through a variety of activities. Students will

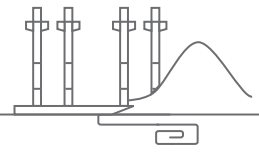
enjoy a colourful college life through interacting in a harmonious and warm learning environment.

Four college activities are organized under the rubric 'MUSE 1234'. The first is the Unifun Workshop, a skills training and knowledge-based workshop. The second is the Equote Salon, where guests and audience meet for meaningful dialogues. The third is the Muse Lecture, which opens up students' critical faculties. The fourth is muSer Action, which provides outreach opportunities to broaden students' visions.

“ Muse College is committed to nurturing and cultivating students to be global citizens with aspirations and ideals through non-formal education programmes, a wide variety of student activities and a multitude of exchange opportunities in an interactive and engaging learning environment which encourages them to think constantly, critically and gratefully. ”

Prof. David Chen Yongqing,
Master of Muse College





Harmonia College

Harmonia College was founded in March 2018 with a generous donation from Mr. **Yang Xiangbo**, notable entrepreneur in Hong Kong, member of the Chinese People's Political Consultative Conference and chairman of the Shirble Group. The first cohort of 597 students was admitted in September of the same year.

The College places strong emphasis on whole-person education by offering students personal guidance, cultural, recreational and physical activities, and diversified courses. Composed of four student hostels and approximately 400 rooms, the College can provide accommodation for up to 1,400 students at its full capacity.

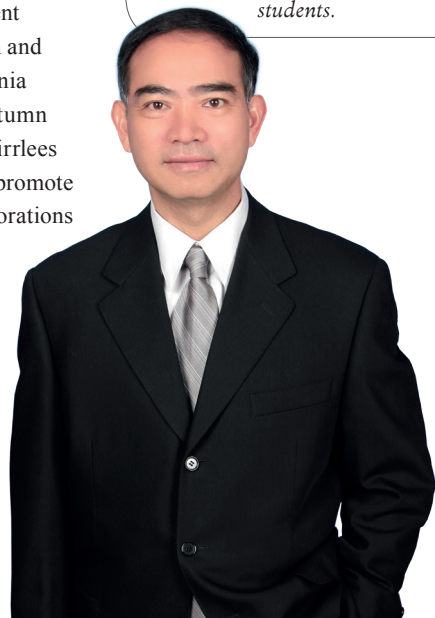
Common facilities including a canteen, kitchens and laundry rooms are well equipped to meet the daily demands of its residents. In addition, an art studio and rooms for reading, seminars, table

tennis and multifunctional purposes are also available to contribute to a collegiate community with warmth and diversity.

Since its inception, the College has organized a variety of student activities, including Orientation and Ice Breaking Activities, Harmonia Evening Talks, and the Mid-Autumn Festival Party. The James A. Mirrlees Scholarship was established to promote academic exchanges and collaborations between mainland China and Hong Kong and overseas, and provide financial support for its students to join exchange programmes at Hong Kong universities.

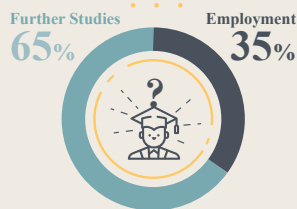
Prof. Ye Lixin,
Master of Harmonia College

“*Inheriting the whole-person and liberal arts educational philosophy from CUHK (SZ), Harmonia College will strive to create a distinctive college culture to nurture all-round development of our students.*”

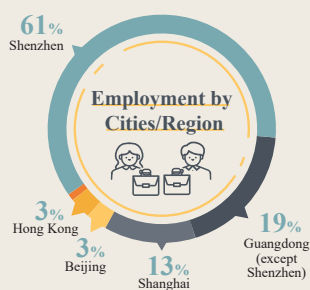


Quick Facts

What Do the First Batch of Graduates Do?



Employment Major Career Fields



Further Studies Top Three Countries/Region



Our College Life



Ashley Zhang

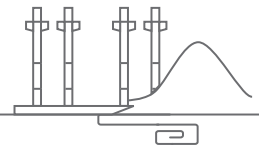
Global Logistics and Supply Chain Management Year 4,
School of Management and Economics

Ashley Zhang from Guizhou received a phone call from a teacher of CUHK (SZ) upon the release of the *Gaokao* results. 'I was attracted by the University's special characteristics and by the programme, a collaboration between CUHK (SZ), the University of British Columbia and Copenhagen Business School. Each year, each of the schools admits 15 students, and all 45 students will study together as one cohort in each of the three locations for a term. I have been more than happy with the pedagogy. Having been to Copenhagen and Vancouver broadened my vision. I enjoyed chatting with the teachers. I will definitely miss this warm family after graduation.'

Grace Cheng

Master's Student in the Translation and Interpreting Studies Programme,
School of Humanities and Social Science

Grace Cheng from Anhui read translation at the Dalian University of Foreign Languages. She was deeply impressed by the admission lecture by Prof. **Wang Lidi**, director of the MA Programmes in Translation, CUHK (SZ), held at her alma mater. To know more about CUHK (SZ), she participated in one of its summer courses upon graduation. 'I was taken in by the humanistic spirit of the University and applied for the master's programme without a second thought. I appreciate its diversified culture the most. The campus atmosphere is conducive to intensive learning. There are a wide range of student activities for us to interact with each other in. I am glad to study at CUHK (SZ).'



Alex Hsu

Applied Mathematics Year 2,
School of Science and Engineering

Born in Taiwan, Alex Hsu spent his primary and secondary school years in Shenzhen where his father worked. He was the top science stream scorer among the candidates from Guangdong Province in 2017. 'I was drawn to CUHK (SZ) by the use of English as the medium of instruction and the free learning atmosphere. I always set high standards for myself. That's why I have not only tried my best to complete every assignment throughout my undergraduate studies, but also read every reference recommended by the teachers. It's tough but rewarding. There are various student activities for us to participate in. But I could only join some of them, e.g., the high-table dinners, due to my tight class schedule and engagement in teachers' research work.'

Lin Zhen

Statistics Year 4,
School of Science and Engineering

A native of Zhejiang Province, Lin Zhen grew up in Shenzhen. He appreciates the college system of CUHK (SZ). 'I enjoy exchanging ideas with students from other disciplines, which broadens my knowledge base. The credit system provides great autonomy in selecting courses. My learning is greatly facilitated by dedicated teachers together with the use of English in teaching, exchange programmes and teaching facilities. My most unforgettable experience was participating in the signalling research led by Prof. **Tom Z.Q. Luo**, Vice-President, from which I got to publish an article and a chance to present the research at an IEEE conference held in California in October 2018.'



Quick Facts



Nobel Laureate/ Turing Award Winner Laboratories

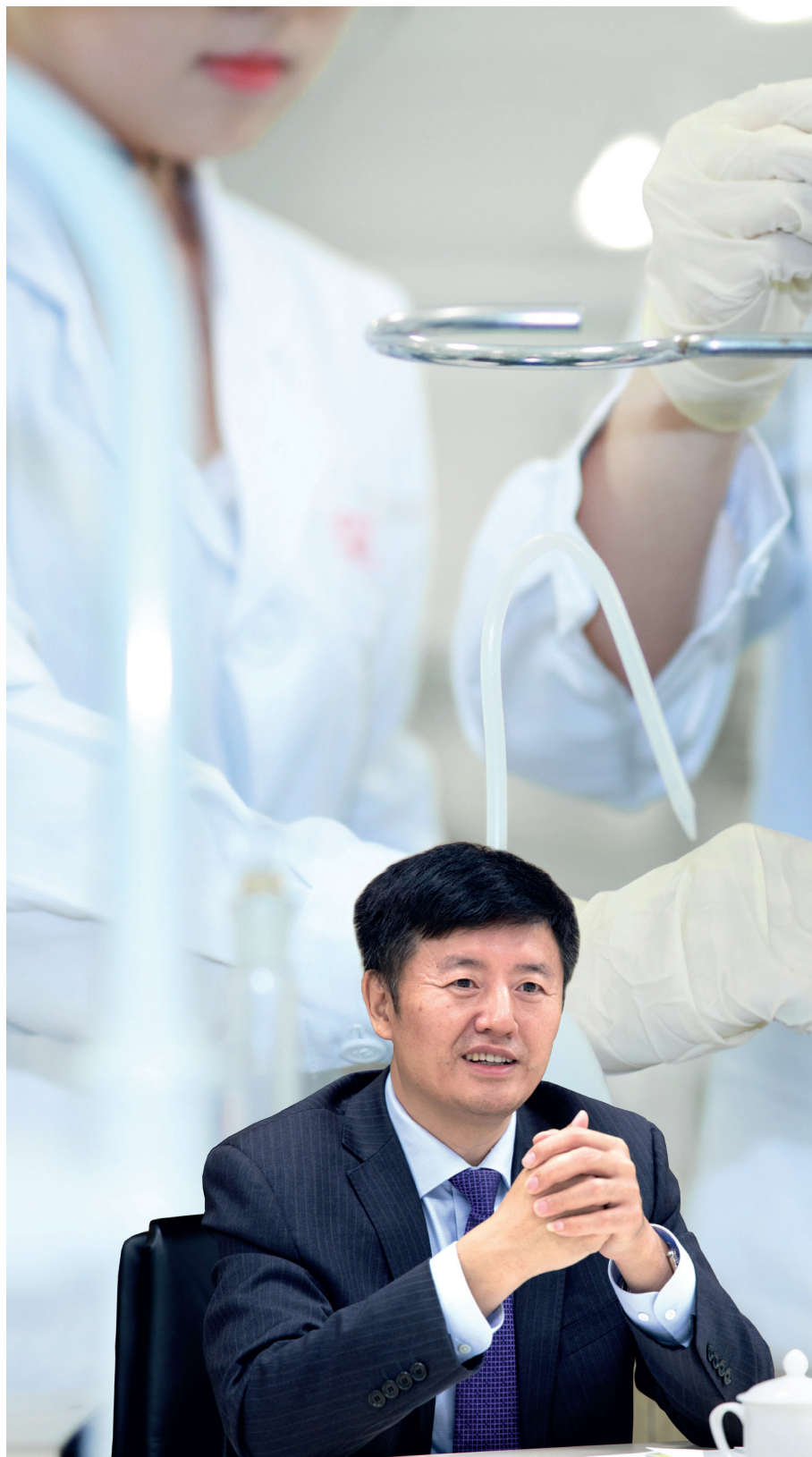
- Arieh Warshel Institute of Computational Biology
- Kobilka Institute of Innovative Drug Discovery
- The Ciechanover Institute of Precision and Regenerative Medicine
- Hopcroft Institute for Advanced Study in Information Sciences

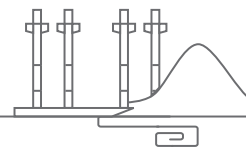


Research Units

- National-local Joint Engineering Laboratory of Robot and Intelligent Manufacturing
- Institute of Robotics and Intelligent Manufacturing
- Shenzhen Research Institute of Big Data
- Shenzhen Finance Institute
- The Institute for Data and Decision Analytics
- Future Network of Intelligence Institute

Number of Overseas Exchange and Collaboration Partners





Dedicated Research, Quest for Knowledge

‘Research at CUHK (SZ) has grown at a rate far beyond my expectation,’ said Prof. **Tony Li**, Associate Vice-President and director of Research Administration Office.

Professor Li admitted that building research capacity is a difficult task. “Research only blossoms in ‘research-rich soil’—the synergy of an outstanding research team, research facilities and funding.”

What Professor Li, who is responsible for CUHK (SZ)’s research development, did not expect was that such a newly established institution would receive research funding close to RMB 3 billion in four years. Over 130 research projects have been launched, of which many are supported by the National Natural Science Foundation of China, while some are funded by the Shenzhen Municipal Government Basic Research Programme.

Professor Li pointed out that sufficient funding and a pool of talented researchers are key to a ‘research-rich soil’.

He said, ‘Shenzhen Municipal Government is very supportive of our research. Each Nobel laureate laboratory received RMB 100 million and RMB 50 million from the Shenzhen Municipal Government and the Longgang District Government, respectively.’

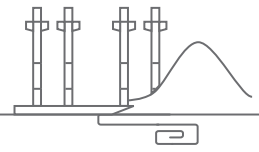
‘As many high-tech enterprises such as Tencent, Jingdong (JD) and Huawei have established a presence in Shenzhen, technological research has a very big market here. These enterprises are willing to commission or collaborate with us on special projects. In June 2016, the CUHK (SZ)–Tencent AI Lab Joint Laboratory of Machine Intelligence and CUHK (SZ)–JD Joint AI Laboratory were established with the aim of promoting collaboration between academia and industry.’

Of course, the credit must go to the outstanding team of CUHK (SZ) researchers. ‘After all, it’s one’s research strengths that determine one’s competitiveness in getting grants.’

In order to promote a vibrant research culture on campus and cultivate students’ interest in research and innovation, undergraduates who participate in teachers’ research work or launch their independent research will receive a monthly allowance of RMB 1,000. ‘Some of our undergraduates have even made their way to overseas conferences to present their papers. It’s no mean feat for undergraduates.’

Professor Li said that the research focuses will be on robotics and artificial intelligence, big data, new energy, new materials, bioinformatics, and financial technology. ‘These technologies have been widely applied to our daily lives and are closely related to the progress of society.’






Way to Go

As Prof. Xu Yangsheng has noted, CUHK has sown the seeds of its cherished educational ideals across the border in the fertile soil of Shenzhen. He believes that careful and expert cultivation will ensure the young campus's steady growth in the years to come.

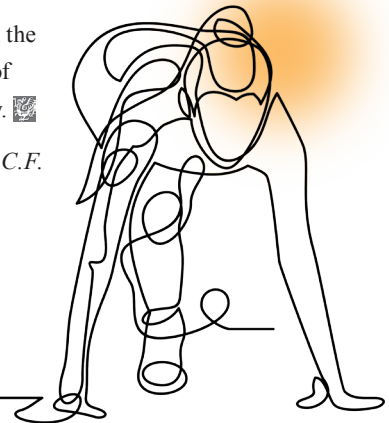
Of the first batch of graduates from CUHK (SZ), those who have chosen to work received offers from major domestic and foreign companies such as the Bank of China (Hong Kong), HSBC, PWC, Deloitte, Tencent, Huawei, Procter & Gamble, and L'Oréal. Some of them had even started their own businesses while still at school. **Li Zhixuan** and **Yan Danyang**, both from the School of Management and Economics, founded the student service platform 'Leadygo' and turned a profit. Upon their graduation, they made a generous donation of RMB 1 million to their alma mater. It could well be a world record of the shortest time taken by alumni to give back to a school.

Those who chose to continue their studies were favoured by world-renowned institutions overseas and locally, each receiving on average three admission offers.

Tian Langyi, a graduate of double majors in global business studies and finance, received 11 offers from institutions in, among others, the UK, the US, France and Hong Kong. He chose to study quantitative methods in social sciences at Columbia University.

What CUHK (SZ) has achieved today has proved the universality and tenacity of CUHK's vision and legacy. 

By C.F.





香港中文大學 55 周年
55th ANNIVERSARY OF CUHK

Fifty-five Splendid Years

www.55.cuhk.edu.hk/

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Vice-Chancellor's
Message



Anniversary Logo



香港中文大學 55 周年
55th ANNIVERSARY OF CUHK

CUHK will be celebrating its 55th anniversary in 2018–19.

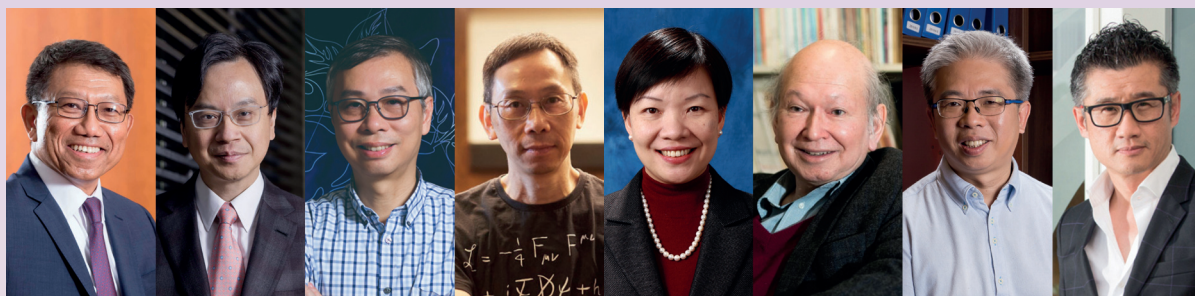
The 55th Anniversary Celebration Organizing Committee is rolling out an assortment of activities.

Prof. Rocky S. Tuan's message to the University community: 'The CUHK story was not written in one day. Every page and paragraph of it is filled with the foresight of our founders, the leadership of our former vice-chancellors, the diligence of teachers and students, and the support of our alumni and benefactors. We must remember their effort and uphold their enterprising spirit.

'To continue this story, we are ready to follow in the footsteps of our eminent predecessors, and develop our University into a forward-looking, comprehensive research university with a global vision. As well as academic excellence, our efforts will always be directed towards developing our young men and women as leaders of tomorrow.'

智慧的探索

The Pursuit of Wisdom Public Lecture Series



As the flagship programme of the University's 55th anniversary celebrations, 'The Pursuit of Wisdom' Public Lecture Series amasses the wisdom and erudition of CUHK experts across disciplines for dissemination to the community. Held at Lecture Theatre One of Cheng Yu Tung Building, CUHK, the eight lectures cover translational medicine, artificial intelligence, food supply and sustainable agriculture, physics and the universe, history and psychology and are open to the public for free. In the lectures, distinguished CUHK professors will present their research experiences and achievements in highly accessible terms.

Prof. Rocky S. Tuan, Vice-Chancellor and Lee Quo Wei and Lee Yick Hoi Lun Professor of Tissue Engineering and Regenerative Medicine, kicked off the series on 11 January with 'Regenerative Medicine: Promises and Challenges'.

Details of the remaining lectures are as follows:

Date/Time (5:00–6:30 pm)	Speaker	Topic
15.2.2019	Prof. Dennis Lo	The Joys and Challenges of Scientific Research
1.4.2019	Prof. Lam Hon-ming	Soybean Research: A Journey from Laboratory to Field
24.5.2019	Prof. Chu Ming-chung	Beautiful Asymmetries in the Universe
3.6.2019	Prof. Helen Meng	Artificial Intelligence for Speaking and Listening for Learning and Well-being
9.9.2019	Prof. David Faure	Filial Piety and Business Enterprise: Why is Filial Piety Good for Business ?
23.9.2019	Prof. Chiu Chi-yue	Mindset and Success: The Psychology of a Flourished Life
14.10.2019	Prof. Tony Mok	(To be announced)

The 85th and



86th Congregations

*The 85th and 86th Congregations for the Conferment
of Degrees were held on 15 and 29 of
November 2018, respectively.*



The 85th Congregation, presided by Dr. **Norman N.P. Leung**, Chairman of the Council, conferred close to 10,000 bachelor's and master's degrees in total. It was the first congregation attended by Prof. **Rocky S. Tuan**, Vice-Chancellor and President, who shared his thoughts with the new graduates. In his speech, he called on students to remain true to their aspirations and passion, and be steadfast in their pursuit of what is beautiful and good.

The 86th Congregation was presided by the Honourable Mrs. **Carrie Lam Cheng Yuet-ngor**, Chancellor of CUHK. A total of 448 doctoral degrees were conferred on the occasion. Three distinguished persons were conferred honorary degrees in recognition of their outstanding contributions to community welfare, scientific research, and the promotion of educational and financial affairs.



Number of Degrees Conferred in the 85th and 86th Congregations

Honorary Doctorate	3
Doctoral	448
Master's	5,672
Bachelor's	4,150







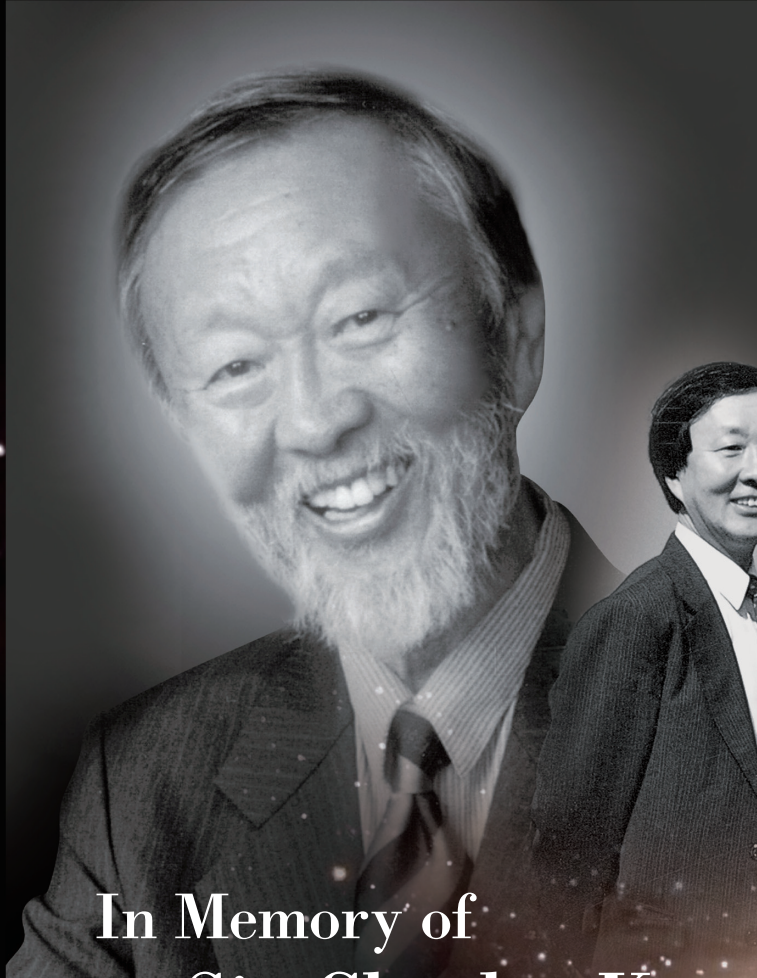
Dr. **Ip Sik-on Simon** was the former President of the Law Society of Hong Kong and a member of the Legislative Council representing the Legal Functional Constituency. He served as the Founding Chairman of the Council of the Hong Kong Institute of Education from 1994 to 2003. Dr. Ip demonstrated his charitable endeavours through his work with the Hong Kong Jockey Club, where he served as the Chairman from 2014 to 2018. Under his leadership, the Club's Charities Trust adopted a more proactive approach to its role in the betterment of society. CUHK has also been a major beneficiary of the Club, with donations including the \$1.3 billion gifted in 2014 to support the establishment of the University's new teaching hospital, the CUHK Medical Centre. CUHK conferred upon Dr. Ip the degree of Doctor of Social Science, *honoris causa* for his outstanding contribution to and leadership in the Hong Kong community.



Prof. **Qiu Yong** is an expert on optoelectronic materials and devices and currently the President of Tsinghua University. His main research interests focus on organic semiconductors, fundamental theories of organic electronics, and organic light-emitting materials and devices. He has won countless accolades for his scientific innovations, including Distinguished Young Scholar by the National Natural Science Foundation of China, the Ministry of Education Changjiang Scholar, the National Model Teacher, the State Technological Invention Award, and has been elected a member of the Chinese Academy of Sciences. Since he took the helm of Tsinghua University, Professor Qiu has enhanced the bilateral exchange and academic collaboration with CUHK across a number of fields, including the opening of the Joint Research Centre for Chinese Economy. In 2017, CUHK appointed him to be Honorary Professor of the Faculty of Science. CUHK conferred upon Professor Qiu the degree of Doctor of Science, *honoris causa* in recognition of his exceptional contributions to academia and society.



Professor the Honourable **Yam Chi-kwong Joseph** was the first Chief Executive of the Hong Kong Monetary Authority. He is currently a non-official member of the Executive Council, HKSAR and Executive Vice-President of the China Society for Finance and Banking. He helped develop the linked exchange rate system and implemented other reform measures, contributing to Hong Kong's development into an international financial centre. During the Asian financial turmoil in 1998, Professor Yam successfully defeated international speculators and defended Hong Kong's currency and stocks. He was named the 'Central Bank Governor of the Year' in 1998 by Asiamoney. Professor Yam has been especially close to CUHK, where he has served as an Honorary Professor of the Faculty of Business Administration since 2006, and a Distinguished Research Fellow of the Lau Chor Tak Institute of Global Economics and Finance since 2010. The University conferred upon Professor Yam the degree of Doctor of Social Science, *honoris causa*, in recognition of his contribution to Hong Kong's monetary and financial development. 



In Memory of
Professor Sir Charles Kao



(1933–2018)



Professor Sir Charles Kao, former Vice-Chancellor of The Chinese University of Hong Kong, passed away on 23 September 2018 at the age of 84.

Professor Kao's passing was universally mourned by members of the University community and the general public alike. It was also widely covered in local and international media.

His wake was held on 7 October. Thousands of people gathered at the Hong Kong Funeral Home to pay their last respects to the 'Father of Fibre Optics', whose pioneering work in the development and application of fibre optics in the area of communications had won him a Nobel Prize in Physics in 2009.

The funeral on 8 October was attended by over 450 government officials, leaders of the education and other sectors, colleagues, students, relatives and friends, among them was Mrs. **Carrie Lam Cheng Yuet-ngor**, Chief Executive of HKSAR, who was also one of the pall bearers alongside Prof. **Rocky S. Tuan**, Vice-Chancellor and President of CUHK, and others.

Professor Tuan described Professor Kao in his eulogy as 'a meticulous and insightful scientist whose accomplishments have inspired technological innovations throughout the world' and also 'a far-sighted and broad-minded thinker who left an

indelible mark on higher education'. Professor Kao published a paper in 1966, affirming the potential of optical fibre for data transmission, but it was only until years later that the impact of his research began to reach far and wide.

His perseverance in research gave rise to epoch-defining contributions to modern communications and set the pace for how humans transfer and disseminate information. We owe to Professor Kao the convenience, efficiency and free flow of knowledge we enjoy today; it is therefore not an exaggeration to say that Professor Kao had forever changed the course of human history. However, he took very little credit for his huge contributions to humanity. Instead of filing a patent for his phenomenal discovery, he selflessly shared the technology with the world to ensure greater benefit for the general public.

Professor Kao was the third Vice-Chancellor of the University (1987–1996). He led the establishment of the Hong Kong Institute of Biotechnology, the Department of Information Engineering and the Faculty of Engineering during his vice-chancellorship. He also led CUHK to set up the Hong Kong Internet eXchange (HKIX) to speed up local Internet communications, and act as the Internet hub of the Asia-Pacific region.

Those who have the good fortune of knowing him regard Professor Kao as a gentleman and a scholar. Staff members who had worked for him praise him for his openness and foresights on education and research. Students who once stood on the other side of the fence now recognize and admire his magnanimity.

By the time Professor Kao was awarded the Nobel Prize, his health had made it impossible for him to deliver an acceptance speech or fully apprehend the significant legacy he had bequeathed to the world, but all this does not lessen in our hearts our respect and gratitude for him. His stature had not declined with his physical decline but endeared him way beyond the scientific and the academic communities. In 2010, Professor Kao and his wife Lady **Gwen Kao** set up the Charles K. Kao Foundation for Alzheimer's Disease Limited with an aim to promote society's understanding of dementia, as well as offering assistance to patients and their families and caretakers. Friends and strangers who met him in his public appearances in his later years will never forget his childlike smile and bright-eyed sagesness, and must have been moved by the mixed feeling of being disheartened and heartened at the same time.

Rest in peace, Professor Kao! The light you brought on shall never dim. 🕯️

By S. Lo

DISTINGUISHED ALUMNA

Makes her Mark
in Melbourne





△ From left: Mingling with student residents back in United College; Conversing with alumna Aaron Yim in the closing ceremony

Dorothy Yiu, a Social Work graduate of 1973, returned to her alma mater from 7 to 10 November 2018 as the distinguished alumna in the new Distinguished Alumni-in-Residence Programme. Among the 200,000 CUHK graduates, she may not be the one who makes the biggest fortune or wins the most academic accolades, but is definitely among the most charitable and altruistic ones.

Two years after graduating from CUHK, Dorothy relocated to Melbourne, the capital of Australia's south-eastern state of Victoria. Her social work qualification was put on the shelf due to language and cultural barriers. She helped her husband run a retail store in China Town and, after completing a diploma in librarianship, opened a Chinese bookstore.

In 1981, the first Chinese welfare agency for the elderly opened in Victoria, and a Chinese-speaking social worker was wanted. Dorothy was the only game in town and found her way back on to the track of social welfare.

Fast forward to the '90s, and Dorothy, then a health educator at the Cancer Council Victoria, was invited by the Council to set up a support group for Chinese cancer patients. Back then

Australia saw a strong increase in the number of Chinese immigrants, and those affected by cancer usually spoke little English and had great difficulties in navigating the healthcare system. Dorothy picked up the gauntlet and established the Chinese Cancer Society of Victoria (CCSV) in 1996. Since then she has been serving the Chinese diaspora pro bono, seven days a week.

Serving cancer patients is not as poignant and depressing as one might imagine. Besides providing healthcare information, counselling and supportive services, CCSV also holds a wide range of activities to cheer patients up, like doing sports, singing, drawing, crafting, gardening, hiking and even forming theatre and lion dance troupes.

For terminal patients, Dorothy and the volunteers will turn up on their doorsteps and help them put their past into perspective. 'There was once an old man who lamented he had done nothing of worth in his whole life. While talking to us he revealed that he had been an industrious dairy worker and raised five high-achieving children. When he saw he had done his part to the society and to his family, he could leave without regrets;

his family could find solace in this narrative; and the volunteers could keep negative emotions at bay.'

Revisiting the CUHK campus after 45 years, Dorothy was happy to tour its new sites and facilities, and even more so to interact with students and staff. She gave a talk to faculty and administrative staff on the importance of self-care when tending ill family members. Back to the Department of Social Work she shared with the younger generation her practical experience in loss and grief counselling. She followed the I-Care Community Research Team to pay home visits to seniors living alone in a Fanling public estate. In United College's Adam Schall Residence where she lived in her last two years in university, she urged a packed house of audience to never back down in the face of adversity.

During the eight events in a row of four days, Dorothy repeatedly attributed her kind deeds to the 'humanistic spirit of CUHK'. 'To me, it is a spirit that calls for stepping outside ourselves. As CUHK alumni, we care not only for ourselves but also for our family, our alma mater as well as our community at large.'

By Christine N.



Prof. Adam Kielman

Department of Music

The recipient of the 2018–19 Early Career Award from the Research Grants Council shares with us his musical experience back in the US and in China during the past decade or so, and his award winning project on popular music and new mobilities in South China.

Stay Mobile, Stay Musical



How would you define ‘popular music’?

While ‘pop music’ is often used to refer to a specific genre or style (like Cantopop), the phrase ‘popular music’ can be used more broadly to refer to music that appeals to a wide audience, is recorded and produced in recording studios, and reaches its audience through mediums like radio, recordings, or streaming services. But it’s actually quite hard to provide a precise definition, and it’s also something scholars have grappled with.

Tell us about the kind of popular music you grew up with.

When I was a teenager, the music that all my peers were listening to was the grunge rock of the 1990s—Nirvana, Green Day, Pearl Jam—as well as hip hop. Looking back, a lot of this was great music. But I guess I was a bit of a music snob, and only listened to jazz. It’s only when I got to college that my music tastes expanded, and I started to listen to all sorts of music—electronic, hip hop, reggae, rock, among others—and expand what I thought of as ‘good’ music.

Which is your favourite popular piece?

Oh, it’s impossible to choose only one! But one song I love is *Pressure Drop* by Toots and the Maytals. It’s a song that has meant a lot of different things to me at different points in my life, and whenever I hear it, it makes me feel again the feelings I had during some of those times.

What drew you to Hong Kong and CUHK?

My research is based in Guangzhou, where I lived for about six years before starting my PhD studies at Columbia. Since ethnomusicology is a fieldwork-

based discipline, it’s fantastic to be so close, so I can continue my research and maintain connections to the musicians and other people I work with. At the same time, CUHK is a great place to be teaching and doing this research, and has a lot of people working on contemporary China in different disciplines and from different approaches that inspire me. And, of course, I love living in Hong Kong!

How are popular music and mobilities connected?

In the past few decades, the massive economic, social, political and cultural changes in China have meant that people are not only moving around more and in new ways, but they are also thinking differently about their relationships to places. At the same time, music and ideas about it travel faster than ever before, and represent another form of mobility—in this case, of sound, rather than of people. In my research, I explore how musicians in southern China draw on global popular musics as well as regional traditions and ideas, and how they create music reflective of their own lives and their own mobilities.

Are such mobilities also present in other countries?

Certainly. But, in China, what is remarkable and interesting is the pace of change and the kinds of transformations going on. It’s because of this that it offers great perspectives on thinking about how these two kinds of mobilities—of people and of sounds—are connected more broadly and in other contexts.

When did you first encounter popular music in Southern China?

I first came to Guangzhou in 2005 after



△ Mrs. Ingrid Yeung (left), Permanent Secretary for Education, presents the Early Career Award certificate to Professor Kielman

graduating from college, and worked in a media and IT company, running a small recording studio. In my time off, I started befriending many musicians in the *minyao* (folk) circle, and then started playing music with them. They opened my eyes to so much great music.

How alien was it to you?

Well, it was alien in a way, but also very familiar. Music allowed me to understand and connect to people in a way that nothing else could, and by understanding people, you can start to understand the music.

Do you play any instrument?

I play the saxophone. I started playing when I was 10 years old, when everyone had to choose an instrument to play in the elementary school band. I immediately fell in love with playing music, and music has been central to my life ever since. It’s opened up so many worlds and experiences for me—I couldn’t imagine life without it. 🎷

By S. Lo

MARK YOUR DIARY!

為香港中文大學

馬拉松隊打氣

日期 Date | 2019年2月17日 (星期日)
17 February 2019 (Sunday)

CHEERING UP FOR CUHK MARATHON TEAM



香港中文大學
THE CHINESE UNIVERSITY OF HONG KONG

主辦單位 Organizer



10 公里 ★ 夜跑 NIGHT CHALLENGE

日期 Date:
2019年3月8日 (星期五) | 8 March 2019 (Friday)

開幕時間 Opening: 下午6時30分 | 6:30 pm
比賽時間 Race Time: 下午7時正 | 7:00 pm

比賽地點 Venue:
沙田白石角海濱長廊南廣場 | Pak Shek Kok Promenade South Piazza

網址 Website:
www.cuhk.edu.hk/peu/10Krun



THE BEST AND THE BRIGHTEST

Driving into the Future

Chen Yuting (4th right), a PhD student from the Institute of Space and Earth Information Science at CUHK, and her team won the Best Application Award at the 2018 Global College Artificial Intelligence Training Camp (the

‘DeeCamp’) held at Peking University. After attending five weeks of training camp to receive guidance from AI experts like Turing Award winner John Hopcroft and Innovation Workshop CEO Kai-fu Lee, Chen’s team

submitted their winning AI project—a virtual driverless car built and trained by them to explore the huge potential of unmanned driving in future logistics and transportation.



Recognizing 127 Outstanding Students

To recognize outstanding students in attainments apart from academic excellence, CUHK has established the Outstanding Students Awards starting 2018–19. A total of 127 students have received awards in five areas, namely Innovation and Invention, Sports, Arts, Social Service, and Special Achievement.

The awardees include Hong Kong Marathon 10km Wheelchair Race

champion Lee Ho-fei (Faculty of Education) (photo), veteran volunteer Lee Tin-sum (School of Journalism and Communication) who brings music and art to the left-behind children in rural Yunnan, and Tsui Ling-siu (Faculty of Law) who has been leading Enactus CUHK and promoted entrepreneurship culture on campus for creating social impacts.



CUHK Athletes Shine in Asian Games

Seventeen CUHK students represented Hong Kong to take part in the 2018 Asian Games in Jakarta, reaping one gold, two silver and six bronze medals. Lee Ka-yi (2nd right), a Master student in Sports Medicine and Health Science, won gold in the Squash-Women’s Team event while cyclist Vivian Ma, a Hotel and Tourism Management undergraduate, took silver in the Women’s Team Sprint. Camille Cheng, a Master student in Industrial-Organizational Psychology, claimed two bronze and a silver in swimming events. 🏊‍♀️

NEWS IN BRIEF

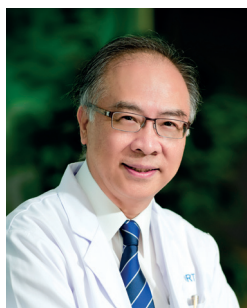
APPOINTMENTS



△ Ms. Cynthia C.F. Liu



△ Prof. Chan Wai-ye



△ Prof. Cheng Chun-yiu Jack



△ Prof. Chiu Fung-kum Helen



△ Prof. Chung Kwok-hung Tony



△ Prof. Leung Kwong-sak



△ Prof. Wong Ching-ping



△ Prof. Chan Hon-fu Raymond

New/Re-appointed of Council Members

	Name	Appointment Period
New	Mr. Enders W.H. Lam	4.8.2018–31.8.2020
	Ms. Cynthia C.F. Liu	4.8.2018–3.8.2021
Re-appointed	Mr. Anthony T.T. Yuen	4.8.2018–3.8.2021
	Prof. Huang Yu	5.9.2018–4.9.2021
	Dr. Raymond P.L. Kwok	24.10.2018–23.10.2021
	Dr. Maggie M.K. Koong	27.11.2018–26.11.2021
	Dr. Chien Lee	16.12.2018–15.12.2021

New/Re-appointed of Pro-Vice-Chancellor

	Name	Appointment Period
New	Prof. Chan Wai-ye	1.8.2018–31.7.2021
Re-appointed	Prof. Fok Tai-fai	1.8.2018–31.12.2019

Award of the Title of Emeritus Professor

Name	School/Department	Effective Date
Prof. Cheng Chun-yiu Jack	Department of Orthopaedics and Traumatology	1.8.2018
Prof. Chiu Fung-kum Helen	Department of Psychiatry	1.8.2018
Prof. Chung Kwok-hung Tony	Department of Obstetrics and Gynaecology	1.8.2018
Prof. Leung Kwong-sak	Department of Computer Science and Engineering	1.8.2018
Prof. Wong Ching-ping	Department of Electronic Engineering	1.8.2018
Prof. Chan Hon-fu Raymond	Department of Mathematics	15.1.2019

HONOURS AND RECOGNITIONS

Laboratories Ranked ‘Outstanding’

Among the four laboratories that earned the ‘Outstanding’ ranking in an evaluation of 22 joint laboratories run by the Chinese Academy of Sciences (CAS) and local institutions, three are with CUHK. They are Joint Laboratory for High Density Electronic Packaging Materials and Devices, Joint Laboratory for Biomaterials SIAT–HKU–CUHK and Shanghai-Hong Kong Joint Laboratory in Chemical Synthesis. To recognize the work and achievements of the CUHK research community, Prof. Bai Chunli, CAS President and Doctor of Science, *honoris causa* of CUHK came to the campus on 8 November to meet with over 40 researchers working at the joint laboratories and present certificates.

State Key Laboratory Status Affirmed

Five Partner State Key Laboratories of CUHK, with specialities on translational oncology, agrobiotechnology, bioactivities and clinical applications of medicinal plants, synthetic chemistry, and digestive disease, were retitled State Key Laboratories on 20 September to offer them more flexibility to collaborate with different mainland research and development institutions.

Gastroenterologist Receives Progress Award

The Ho Leung Ho Lee Foundation presented to Prof. Yu Jun of the Department of Medicine and Therapeutics the ‘2018 Scientific and Technological Progress Prize (Medicine)’ on 6 November for her groundbreaking gastrointestinal research in understanding the pathogenesis, diagnosis, treatment and prevention of lesions in digestive system and liver.



First Chinese Bestowed with ESMO Lifetime Achievement Award

Prof. Tony Mok (2nd left), chairman of the Department of Clinical Oncology and Li Shu Fan Medical Foundation Professor of Clinical Oncology, received the award for his contribution to and leadership in lung cancer research worldwide. Considered as ‘a legend in medical oncology’ and ‘the first one to put personalized medicine in advanced lung cancer’, Professor Mok’s main research interest focuses on biomarker and molecular targeted therapy in lung cancer. Much of his research has shifted the treatment paradigm and defined the current management of lung cancer.



Two CUHK Scholars Recognized by RGC

Two CUHK scholars were honoured by the Research Grants Council on 25 October in recognition of their excellent research achievements. Prof. Adam Kielman from the Department of Music was given the Early Career Award for the project ‘Popular music and new mobilities in Southern



China’ (see pp 30–31). Prof. Patrick Wong, Stanley Ho Professor of Cognitive Neuroscience and director of CUHK’s Brain and Mind Institute, received the Humanities and Social Sciences Prestigious Fellowship for his project ‘Dopamine-related genes and language learning’.

International Leadership Award for Dean of Medicine



Prof. Francis Chan, Dean of the Faculty of Medicine and Choh-Ming Li Professor of Medicine and Therapeutics, became the first Chinese scholar to receive the International Leadership Award 2018 by the American College of Gastroenterology (ACG). An internationally renowned clinician-scientist in gastrointestinal bleeding, helicobacter pylori and cancer prevention, Professor Chan has published over 500 scientific articles, and his research findings have been incorporated into clinical practice guidelines in the US, Europe and the Asia-Pacific region.

Vice-Chancellor Conferred China Association of Inventions Fellowship

Vice-Chancellor Prof. Rocky S. Tuan was elected to the first batch of China Association of Inventions (CAI) Fellows in recognition of his distinguished achievement in innovative inventions and his contributions to CAI. Professor Tuan, the only recipient of the fellowship from Hong Kong, was bestowed the honour at the CAI Fellow certificate presentation ceremony held in tandem with the 10th International Exhibition of Invention and the 3rd World Invention and Innovation Forum that took place in Foshan, Guangdong Province.



Overseas Impactful Award for Sinology

The Institute of Chinese Studies of CUHK has won the Overseas Impactful Award for Sinology in the 'Tribute to Sinology: The 3rd Sinology Ceremony for Global Chinese' for its contributions to helping the Chinese scholars gain the cutting-edge research methods and academic ideology and sharing Chinese humanistic tradition and wisdom with its overseas counterparts over the past half-century. The Institute is the first Hong Kong institution receiving the prestigious award in sinology.

Multidisciplinary Cancer Care Team Awarded

A cancer team from the Department of Clinical Oncology has recently received the Cancer Care Team Award from the International Association for the Study of Lung Cancer (IASLC) Foundation, recognizing its multidisciplinary team for providing outstanding care for lung cancer patients. Nominations for the Award were made by patients from all over the world. The team led by Dr. Herbert Ho-fung Loong (centre), Assistant Professor (Clinical) of the department, excelled in the 'Asia and Rest of World' category. His team consists of 13 members including oncologists, nurses, research assistants and pharmacists.



First Hong Kong Scholars Elected IAAP Fellows



Prof. Fanny M.C. Cheung (left), Pro-Vice-Chancellor and Choh-Ming Li Professor of Psychology, and Prof. Hau Kit-tai (right), Choh-Ming Li Professor of Educational Psychology, have been elected Fellows of the International Association of Applied Psychology (IAAP) at the International Congresses of Applied Psychology held in Montreal, Canada in June 2018. They are the first Hong Kong scholars to receive this honour. Professor Cheung plays a leading role in developing and validating culturally relevant assessment tools in applied psychology. Professor Hau's research areas cover motivation, psychometrics, research methodology and large scale educational monitoring.

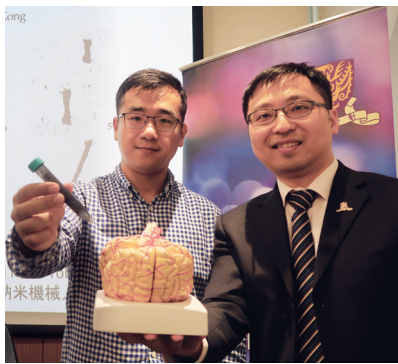
Nine Professors Named Most Highly Cited Researchers

Nine CUHK professors have been named by Clarivate Analytics in the list of 'Highly Cited Researchers 2018' (see below). The honour is given to researchers who published a high number of papers that rank in the top 1% most-cited in their respective fields of study and year of publication.

Category	Professors
Clinical Medicine	Prof. Tony Mok, Chairman of the Department of Clinical Oncology and Li Shu Fan Medical Foundation Professor of Clinical Oncology
Cross-Field	Prof. Chan Lik-yuen Henry, Associate Dean (Global Engagement), Faculty of Medicine Prof. Joseph J.Y. Sung, Mok Hing Yiu Professor of Medicine Prof. Wang Jianfang, Department of Physics Prof. Wong Ching-ping, Emeritus Professor, Department of Electronic Engineering Prof. Zhao Li, Department of Electronic Engineering Prof. Jimmy Yu, Choh-Ming Li Professor of Chemistry
Economic & Business	Prof. David Ahlstrom, Department of Management
Psychiatry/ Psychology	Prof. Lee Sing, Department of Psychiatry

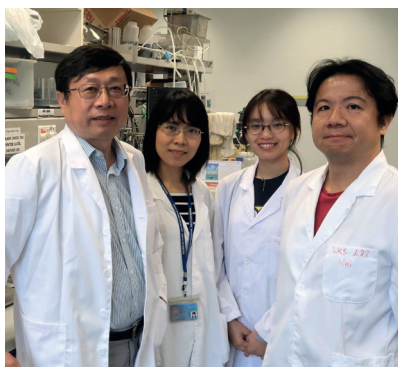
Nano-robots Swarms Imitate Collective Movements of Animals

Inspired by natural swarm behaviours, a research team led by Prof. Li Zhang (right) of the Department of Mechanical and Automation introduced the ability of collective movements into nano-robots. The nano-robot swarms can perform diverse and reversible morphological changes, including extension and shrinkage, and splitting and merging, and have high potential for in-vivo biomedical applications, such as targeted drug delivery and minimally invasive surgery.



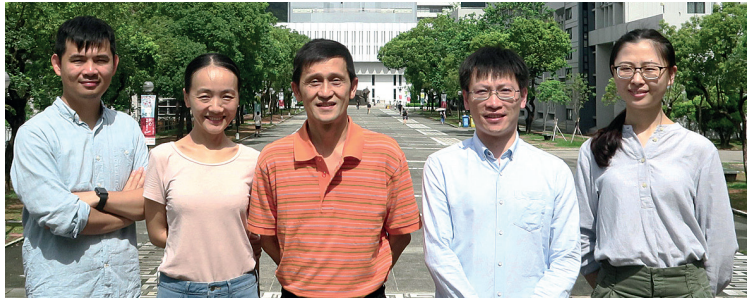
Decoding Vascular Disease Caused by Diabetes

A research team led by Prof. Huang Yu (1st left) of the School of Biomedical Sciences and director of the Institute of Vascular Medicine has revealed a cell-to-cell communication mechanism that contributes to vascular endothelial dysfunction in diabetes. Based on the studies made on diabetic mice, the team has found that an enzyme ‘arginase 1’ was enriched in serum exosomes and transferred to endothelial cells, thus impairing endothelial function.



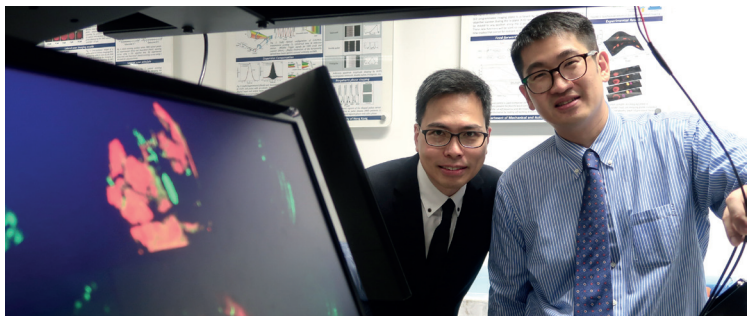
New Insight into Improving Crop Quality

A team of researchers led by Prof. Jiang Liwen (centre), Choh-Ming Li Professor of Life Sciences, has recently made a major breakthrough in their research. The identification of a plant-specific protein BRAF (BRo1-domain protein as FREE1 suppressor) have provided new insight into improving crop quality.



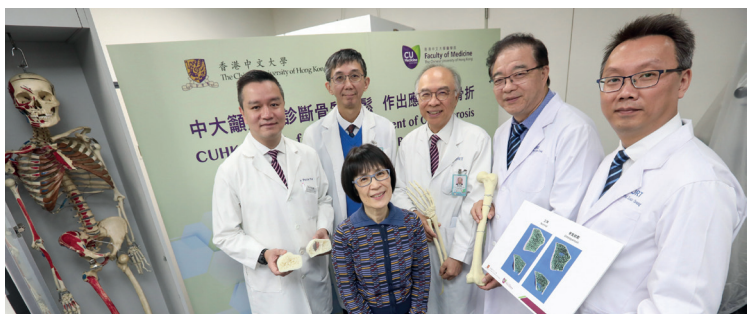
Glaucoma No Longer Nerve-racking

A team led by Prof. Chen Shih-chi (right) of CUHK’s Department of Mechanical and Automation Engineering has developed the first digital holography-based (DH) two-photon excitation (TPE) microscope to generate simultaneous videorate fluorescent imaging and multi-point optical stimulation. This allows the tracking of nerve cells activities and helps understand the molecular mechanisms of optic nerve degeneration in glaucoma.



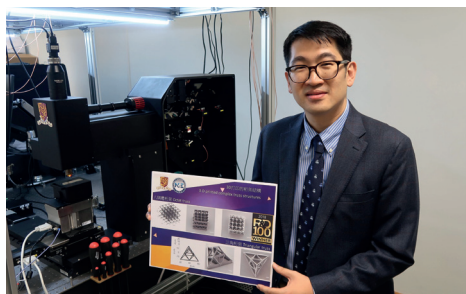
Setting Asia’s First Three-dimensional Bone Density Standard

Based on years of clinical researches, the Department of Orthopaedics and Traumatology has set the first three-dimensional Bone Density Standard in Asia using high-resolution peripheral quantitative computed tomography. The standard helps set bone density references for Chinese men and women of different age groups, thereby enabling early diagnosis of osteoporosis and assessment of fracture risk.



Digital Holography-based 3-D Nano-BUILDER

A Digital Holography-based 3-D Nano-BUILDER developed by Prof. Chen Shih-chi of the Department of Mechanical and Automation Engineering and his team was honoured with the globally prestigious 2018 R&D 100 Award. The Nano-BUILDER employs a revolutionary random-access scanning method that allows tens of laser foci to simultaneously write complex structures at a high speed of 22.7 kHz. The device is especially suitable for applications in research and development such as printing photonic, robotic, metamaterials, micro-scaffolds, and drug delivery devices.



Book House for Dong Minority Children

The School of Architecture at CUHK and the School of Architecture and Urban Planning at Guangzhou University announced in December the opening of a collaborative project, the Gaobu Book House, a children's library located at Gaobu village, Hunan Province. The village has been hollowed by the migrating working-age population. The research team aims at preserving Dong's traditional architectural elements in its design and cultivating children's interest in reading, and also re-energizing the rural community by adding in interactive elements.



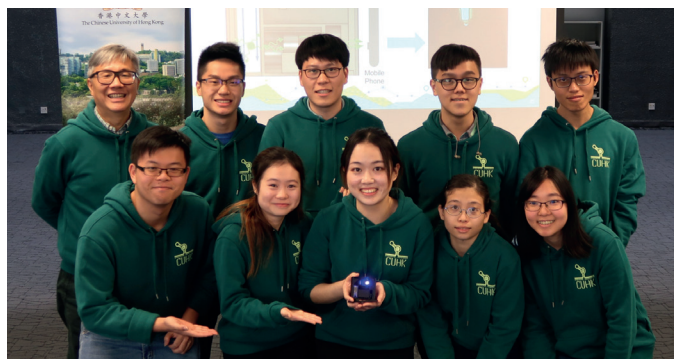
Mindfulness Proved Effective in Reducing Menopausal Symptoms

Since 2006, CUHK has been working on different studies on mindfulness as an intervention for chronic pain, generalized anxiety disorder, attention deficit hyperactivity disorder, chronic stress, and insomnia. These studies have projected a positive outcome from mindfulness practice which improves patients' psychological condition and alleviates suffering. A recent study by a CUHK Medicine research team revealed that mindfulness can be effective in reducing menopausal symptoms, especially anxiety and depressive symptoms. The newly established CUHK Thomas Jing Centre for Mindfulness Research and Training led by Prof. Samuel Wong (1st right), will investigate on how mindfulness can become a health intervention for cancer patients and people with substance use disorders.



Rapid On-Site Influenza Virus Detector

A genetic engineering team of 12 undergraduate students of business administration, engineering, biomedical science, life sciences and science has developed the 'Rapid: RNA aptamer probe influenza detector', a rapid test for influenza subtypes. This tool is based on the switchable light-up RNA aptamer, which undergoes conformational change upon hybridization with another strand of nucleic acid, leading to an observable fluorescent signal. It can be modified to detect theoretically any RNA target sequence, including influenza and other viruses' genome, within 30 minutes. The team also designed a mobile phone-based fluorometer to detect the signal of the aptamer, as well as accompanying software for result analysis. The team has been awarded a Gold medal at the international Genetically Engineered Machine (iGEM) 2018 Giant Jamboree held in Boston, USA.



Hub of Paediatric Excellence Established

CUHK announced in November the establishment of the Hong Kong Hub of Paediatric Excellence (HK HOPE). Comprising scholars from the Faculties of Medicine, Arts, Education, Engineering, Science and Social Science as well as experts from international partner institutions, this unique platform will work on five cutting-edge thematic areas, including paediatric oncology and neonatology, microbiome and child health, genetics and genomics, undiagnosed disease network and stem cells and regenerative medicine.

Hosting Stanford's Bing Overseas Studies Program in Hong Kong

CUHK will host the Stanford University's Bing Overseas Studies Program (BOSP) in Hong Kong. Prof. Harry Elam (left), Senior Vice Provost for Education of Stanford University, visited CUHK and joined Vice-Chancellor Prof. Rocky S. Tuan in an agreement signing ceremony. The first cohort of around 20 Stanford students will arrive in September 2019. They will be able to enroll in courses such as Chinese Culture, Business Environment in China, etc. Visiting Stanford academics will also teach courses such as organizational culture in CUHK.



Collaboration on World Philanthropy



CUHK jointly hosted the third World Philanthropy Forum with the Chinese People's Association for Friendship with Foreign Countries, Tsinghua University and the University of Hong Kong. The Forum, co-hosted by the China Welfare Institute, opened on 5 September in Shanghai. With the theme of 'Building a Sustainable Community of Shared Future for Mankind', it focused on poverty eradication, good health and well-being, high-quality education, sustainable cities and communities, and the partnerships which help achieve the UN's sustainable development goals.

Getting Students Up for Exercise

CUHK and The Hong Kong Jockey Club Charities Trust (HKJC) have joined hands to roll out Fun to Move@JC. Launched on 8 November, a five-year pilot project aims to heighten primary students' motivation to participate in sport and promote their all-round development. With a funding of over \$97 million from HKJC, the project serves 35 primary schools and is expected to reach over 30,000 primary school students and their parents.



Educating the Public on End-of-Life Care



To help the public and the healthcare workers respond to the challenges in the ageing city, the CUHK Jockey Club Institute of Ageing held a public event on End-of-Life Care education on 18 August at the Yasumoto International Academic Park. Over 470 attendees took part in the seminar, who benefited from topics on advance care planning for dementia patients and end-of-life spiritual care. The event was concluded by a number of workshops, with one being on clinical ethics in end-of-life care.

Global AI Academic Alliance Established

CUHK joined hands with 15 renowned universities worldwide and SenseTime, the world's leading AI company, to establish the Global AI Academic Alliance at the 2018 World Artificial Intelligence Conference which took place in Shanghai in September. The alliance was founded to boost cross-disciplinary exchanges and promote international collaboration on AI technology, constructing mechanisms and platforms to provide opportunities for AI study, talent training and research developments.



Joining the Belt and Road League for Science and Technology

CUHK has joined hands with nearly 40 national, regional and international scientific and research organizations from around the world as one of the founding members, and the sole education institution from Hong Kong, of the Alliance of International Science Organizations in the Belt and Road Region (ANSO). Initiated by the Chinese Academy of Sciences, ANSO is an international, nonprofit and non-governmental scientific organization for identifying and addressing common issues in the Belt and Road Region and promoting science and technology cooperation.



Business and Sustainability

The Hong Kong Chapter of the United Nations' Sustainable Development Solutions Network and the Jockey Club Museum of Climate Change jointly organized a forum titled 'Business and Sustainability' under the Sustainable Development Goals Forum Series on 10 November. A number of experts and scholars share their insights on how to integrate sustainable development goals into business strategies.



Impact of Medical and Technological Breakthroughs



Dr. Victor Joseph Dzau, an eminent cardiologist and the President of the US National Academy of Medicine, spoke at the Shun Hing Lecture jointly organized by CUHK and the Shun Hing Group held on 18 September. He talked on the medical and technological breakthroughs that had shaped the future of health and medicine and their social implications, and encouraged the young audience to participate in scientific and medical research.

A Fusion Physicist's Utopian Experiment

Dr. Marcin Jakubowski, founder and executive director of Open Source Ecology which is an open source platform of hardware designs required for building a small modern civilization, was invited to deliver the University Lecture on Civility on 24 October under the theme of 'Assembling the Future: A Social Innovator's Intriguing Project'. He elaborated on the philosophy and practice of his social experiment.





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