

**SUNWAY**  
UNIVERSITY



ANNUAL  
REVIEW  

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2019







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# Vice-Chancellor's Preface

I am delighted to introduce this review of Sunway University's progress during 2019. It was indeed a year of new heights reached, and new partnerships established, that will give us new opportunities to take the University much further forward in the years to come.

Undoubtedly the highlight of the year was that for the very first time we entered the QS global rankings and were placed among the top 800 universities in the world. Also, we were ranked in the top 150 institutions in the world under fifty years old and also moved up in the QS Asia ranking to position 194, placing us in the top 1.5% of universities in Asia. While we are still very young as an institution, having only become a full university in 2011, it is extremely satisfying that we can now count ourselves among the excellent institutions not only in Asia but also in the world and among the leading universities formed within the last few decades.

Rankings do not of course represent the sole indicator of university success and I am delighted that the University won a number of awards for our brand recognition as well as our largest ever national research grant to date. There is much to report on our successes of 2019 and the following pages will give you a taste of some of the key achievements.

As always, I must express my gratitude for the dedication and sheer hard work of all the staff, as well as the on-going commitment of our stakeholders, in helping us to achieve our goals and make a strong contribution to the development of the nation.

**Professor Graeme Wilkinson**  
Vice-Chancellor

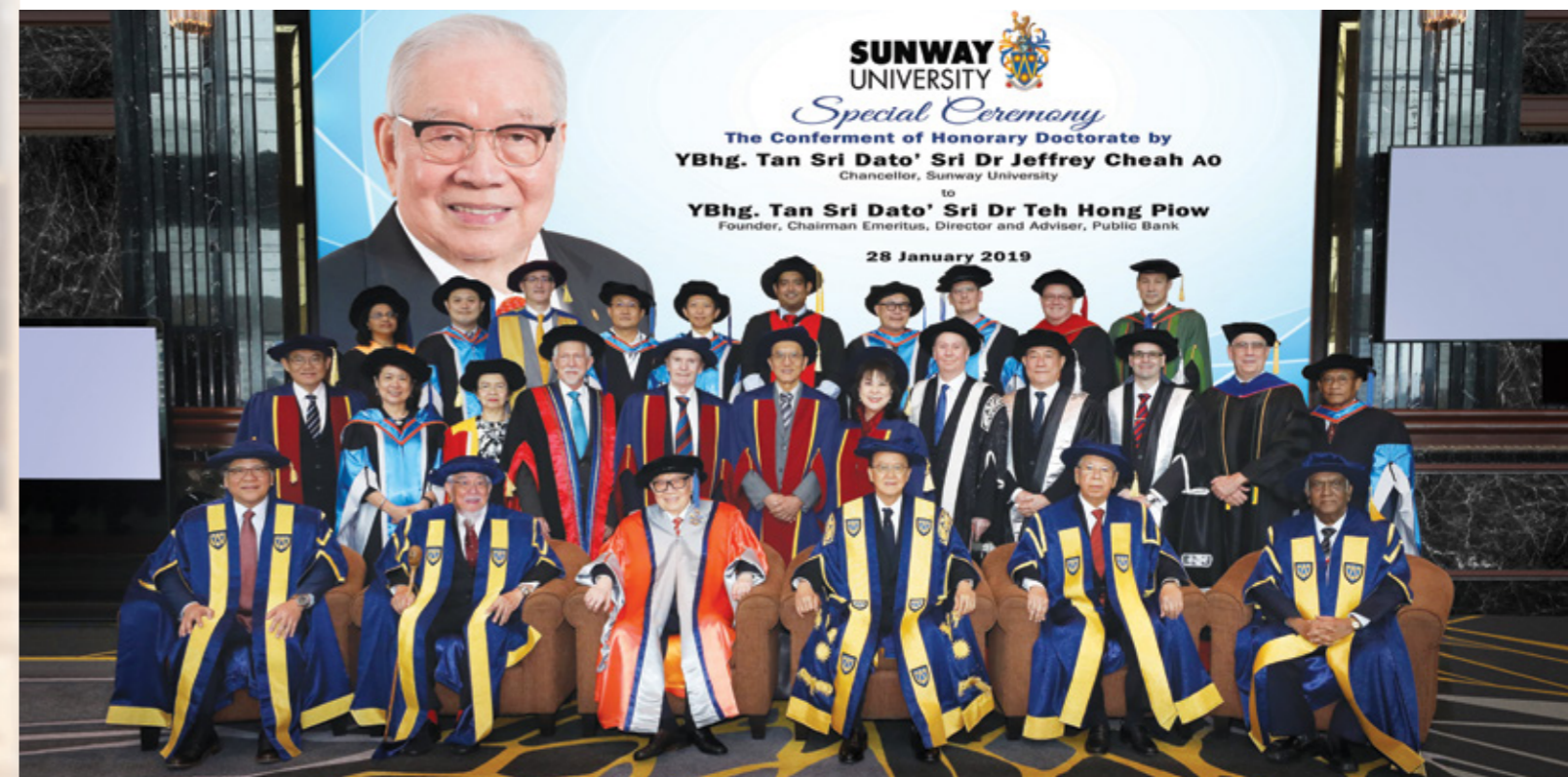


# The Year in Review

## Highlights and Achievements of 2019

The year 2019 was another outstanding one for Sunway University. The University continued to grow in scale, income and rankings and a number of new partnerships were initiated to enhance international education and research. The total number of enrolled students rose to around 7700 and the annual income increased to almost RM 200 million. Significant steps were also taken during the year to increase the cultural activities of the University and to engage more with the local community through the arts.

In the early part of the year, between January and March, the University undertook a major exercise to set a strategy going forward for the period 2020-2025. This exercise involved approximately 90 staff and stakeholder representatives and consisted of a set of strategic planning labs which were facilitated by Pemandu Associates Sdn. Bhd. The labs enabled senior staff of the University and of the wider Sunway Education Group, together with academics and other stakeholders, to brainstorm initiatives to achieve academic growth, financial sustainability, and improve external engagement; all with the objective of transforming the University into a "medium-sized excellent global university" by 2025. A total of 50 strategic projects were identified through the process to take forward the development of the university in order to meet the goals set for 2025. These projects are now overseen by the University Strategic Management Committee.



Also, in January, a special ceremony was held to confer an honorary degree of Doctor of the University on Tan Sri Dato' Sri Dr Teh Hong Piow, Emeritus Chairman of Public Bank Berhad, for having founded and overseen the evolution of Public Bank Berhad into a modern and integrated financial institution and for his outstanding contribution to the growth of the financial services industry in Malaysia.





In April, the University launched its first international joint research centre with Huizhou University, Guangdong Province, China. This joint centre dedicated to Information Technology, and particularly the Internet of Things (IoT), will enable academics of both institutions to collaborate on leading edge research in the field. It will also facilitate staff and student exchanges between Sunway and Huizhou. A cooperation agreement was also signed in April with Capital University of Economics and Business, Beijing, to enable their students to spend study abroad periods in Sunway.

During the year, a philanthropy office was established to create a fundraising ecosystem within the University and to develop the potential of philanthropic fundraising for higher education in Malaysia. In April, the University was indeed fortunate to receive its first major donation from an alumnus, namely Dr Lim Teck Ting (centre), founder of Super Memory Map Sdn. Bhd., a leading provider of pre-school education. Dr Lim was the very first PhD graduate from the Sunway University Business School and made a major donation to support doctoral scholarships in the field of entrepreneurship.



The University continued to build more links with some of the world's leading universities and hosted visitors and distinguished speakers from universities such as Oxford, Cambridge, Harvard, Massachusetts Institute of Technology, and the London School of Economics and Political Studies. Of particular note was the Vice-Chancellor of Cambridge University, Professor Stephen Toope (left) who visited in June, and the former Vice-Chancellor of Cambridge, Sir Leszek Borysiewicz, who visited in September, accompanied by a cohort of Borysiewicz Fellows from Cambridge.

Throughout the year, efforts continued to build academic teaching collaborations with a number of overseas institutions to enable staff and student exchanges, to facilitate study abroad periods for students, and to enable students to progress onto overseas universities to top-up their studies. In May, an academic collaboration agreement was signed with the Eastern Institute of Technology, New Zealand, in the presence of His Excellency Hunter Nottage (centre), the High Commissioner of New Zealand, to Malaysia.



In June, the University was ranked in the QS World University Ranking for the very first time and placed in the bracket 751-800. This recognition places the University in the top 3% of universities in the world. This excellent result was followed by the news in November of a rise in the QS Asia ranking from position 232 to 194, placing Sunway in the top 1.5% of universities in Asia. The University was also ranked among the top 150 young universities worldwide by QS.

In July, a second international joint research centre was established. The Future Cities Research Institute (FCRI), a collaboration between Lancaster University, UK and Sunway University was launched by the Chancellor of Lancaster University, the Right Honourable Alan Milburn (left), along with the Chancellor of Sunway University, Tan Sri Dato' Seri Dr Jeffrey Cheah AO. This Institute will bring together researchers from a range of disciplines who will be working on issues related to growing world urbanisation, focussing on smart technologies in tackling problems related to sustainable urban living.





## The Year in Review (continued)



In August, the University's status as a Premier Digital Technology University was re-confirmed for a further three years. This special status is only given to selected Malaysian universities by the Malaysia Digital Economy Corporation (MDEC). The status reflects the high quality of Sunway's information technology education and research, the employability of the University's IT graduates, the IT infrastructure, and the embedding of digital technology and digital skills in the curriculum across the whole university. Only eleven universities in total were given this special status following a rigorous evaluation by MDEC.



In September, the University won the Putra Brand Gold award for the second consecutive year. The Putra Brand Awards are based on national consumer brand awareness research, and the repeated gold award demonstrated that the University is now consistently viewed as one of the leading brands in the higher education sector in Malaysia.

During the year, the University continued to pursue one of its key objectives which is to raise awareness of the Sustainable Development Goals (SDGs) among the students, staff and the wider public. In September, an event was held on campus to celebrate the SDGs and to encourage wider engagement with them. The event involved a musical celebration (appropriately named "Rock the Goals") and was graced by the Crown Prince of Selangor YM Tengku Amir Shah. Other industry leaders and ambassadors from several countries also attended the event.



In October, the University was declared overall champion in the 2019 Graduates' Choice Award, resulting from a national survey of students. The award is for organisations demonstrating leading employer branding as perceived by university students in the country. This award signifies that Sunway University continues to be highly regarded by tertiary students in the nation.



During the year, the University began a collaboration with the Chopin Society of Malaysia (Persatuan Chopin Malaysia) to bring outstanding international music performers to Sunway. A range of concerts were held on campus which were open to the public, including one in November by Vladimir Gerts, an opera singer from the Bolshoi Theatre, Moscow, arranged in collaboration with the Russian Cultural Centre, Kuala Lumpur. The collaboration has enabled the Chopin Society to offer concerts in a high-quality venue and has enabled the University to promote the appreciation of music and culture to the wider community.



# University Governance



## Board of Directors

- Tan Sri Dato' Seri Dr Jeffrey Cheah Fook Ling AO  
*Chairman*
- Tan Sri Dato' Dr Ramon V. Navaratnam
- Tan Sri Datuk Seri Razman M Hashim
- Tan Sri Dato' Seri Dr Ranjit Singh
- Tan Sri Dato' Dr Lin See Yan
- Dato' Chew Chee Kin
- Dato' Sri Idris Jala
- Dato' Dr Lee Weng Keng
- Dr Elizabeth Lee
- Professor Graeme Wilkinson
- Professor Jarlath Ronayne
- Professor Sibrandes Poppema
- Professor Dato' Dr Woo Wing Thye
- Ms Sarena Cheah Yean Tih  
*Alternate Director to  
Tan Sri Dato' Seri Dr Jeffrey Cheah Fook Ling AO*

## Academic Senate

- Professor Graeme Wilkinson  
*Chair*
- Professor Pua Eng Chong
- Professor Peter Heard
- Professor Perry Hobson
- Professor Abhimanyu Veerakumarasivam
- Professor Bradley Freeman
- Professor Chaiporn Vithessonthi
- Professor Crispin Bates
- Professor Datin Dr Chia Yook Chin
- Professor Dato' Dr Woo Wing Thye
- Professor David Bradley
- Professor Donald Bowyer
- Professor Edward Teikink
- Professor George Hess Jr
- Professor Hew Gill
- Professor Ho Chee Kit
- Professor Hwang Ha Jin
- Professor Jarlath Ronayne
- Professor Jeff Tan
- Professor Lee Chien Sing
- Professor Leong Choon Heng
- Professor Marcus Stephenson
- Professor Mathew Sansom
- Professor Mayeen Uddin Khandaker
- Professor Michael Furmston
- Professor Mohamed Ariff Syed Mohamed
- Professor Mohamed Kheireddine Aroua
- Professor Mohammad Khalid
- Professor Patrick Siau
- Professor Peh Suat Cheng
- Professor Poh Chit Laa
- Professor Raymond McNamara
- Professor Sabine-Salima Chaouche
- Professor Saidur Rahman
- Professor Serguei Demidenko
- Professor Shandre Mugan Thangavelu
- Professor Sibrandes Poppema
- Professor Stephen Hall
- Professor Steve Williams
- Professor Susela Devi K. Suppiah
- Professor Wong Koi Nyen
- Professor Yau Kok Lim
- Professor Yeah Kim Leng
- Professor Yuka Fujimoto
- Professor Zaharin Yusoff

## Ex-Officio

- Dr Elizabeth Lee
- Dr Khatijah Khalid
- Ms Wong Sook Jean
- Professor Andrew Abbott

## By Invitation

- Associate Professor Dr Alvin Ng
- Associate Professor Dr Kenneth Feinstein
- Associate Professor Dr -Ing Lau Sian Lun
- Associate Professor Dr Michael Dent
- Associate Professor Dr Sim Tze Ying
- Dato' Tan Yoke Hwa
- Dr Paul Linus Andrews
- Mr Augustine Wong
- Ms Izah Isa
- Ms Siti Fariza Mohd Dahlan
- Ms Kong Phui Yi  
*(postgraduate student representative)*
- Ms Givaythaa Ganisen  
*(undergraduate student representative)*

## University Strategic Management Committee

- Professor Graeme Wilkinson (*Chair*)
- Dr Elizabeth Lee (*Alternate Chair*)
- Professor Pua Eng Chong
- Professor Peter Heard
- Professor Perry Hobson
- Professor Donald Bowyer
- Professor Ho Chee Kit
- Professor Marcus Stephenson
- Professor Peh Suat Cheng
- Professor Stephen Hall
- Professor Steve Williams
- Professor Serguei Demidenko
- Dr Khatijah Khalid
- Ms Betty Lai
- Ms Jerrine Koay
- Ms Lee Siok Ping
- Ms Lim Shui Chin
- Mr Ng Kok Cheng
- Mr Patrick McVeigh
- Ms Preeti Nair
- Ms Siti Fariza Mohd Dahlan
- Mr Tony Lee
- Ms Wong Lei Lei
- Vice-Chancellor and Chief Executive*
- Chief Executive Officer, Sunway Education Group*
- Deputy Vice-Chancellor*
- Provost*
- Pro-Vice-Chancellor for Global Engagement*
- Dean - School of Arts*
- Dean - School of Mathematical Sciences*
- Dean - School of Hospitality*
- Dean - School of Healthcare and Medical Sciences*
- Dean - School of Interdisciplinary Studies*
- Dean - Sunway University Business School*
- Dean - School of Science and Technology*
- Group Registrar*
- Chief Resources Officer*
- Director - Public Relations*
- Director - Student LIFE*
- Director - International Office and Special Projects*
- Chief Financial Officer*
- Director - Branding & Corporate Communications*
- Director - Strategy and Planning*
- Director - University Services*
- Chief Information Officer*
- Director - Marketing & Customer Experience*



# Our Students Discovering New Ideas

Unlike the rest of her classmates who went on to corporate jobs, Joe Ann Eng's burning desire was to help the refugee communities in Malaysia. Armed with a BSc in Actuarial Studies, Joe Ann founded On Humanity, a Non-Governmental Organisation aimed to strengthen refugee communities through education, food subsistence, and job opportunities; providing equal opportunities for all, regardless of race, religion, or background.

As part of her enterprising endeavour and to educate other students about the plight of refugees, On Humanity organised "OH! Bridges Not Walls", an interactive session where students had the opportunity to learn directly from refugee families on their struggles and stories. Funds were also raised during the event and it was channelled toward purchasing basic food supply for families in need. Aside from the event, Joe Ann actively reaches out to other like-minded individuals both on campus as well as off campus and has secured a partnership with The Lost Food Project to help provide an alternative source of basic food supply for this community.



During the year, three aspiring entrepreneurs from the School of Science and Technology, Tony Ng Wei Shyang, Tan Haolun, Lim Shi-Hern together with a student from San Francisco State University, Jeremy Tan Pao Yang came together to set up "Snuffles", a student-run data analytics start-up that aims to empower aspiring drop shippers with easily digestible data to select winning products for their e-commerce shops. "Snuffles" intends to increase the participation of unemployed youths in the e-commerce industry by helping them gain a competitive edge through data analytics. This project was the antecedent to the Alibaba's Global e-Commerce Talent (GET) programme, a collaborative programme between Sunway University and the Alibaba Group.

In February 2019, the team went through the iLabs' Jumpstart Mentorship Programme prior to their selection by Alibaba GET, to participate in the GET Digital Entrepreneurship and Innovation Challenge in Guizhou, China. In competition with 9 other teams from universities around the world, Team Snuffles, came in 2<sup>nd</sup> and received full funding for a 3-week training programme in China.

It was also noteworthy that Team "Snuffles" registered a record-breaking 391% ROI (return on investment) in the Alibaba's e-commerce simulation platform. Judges heaped praises for the team's outstanding performance, innovative analytical solutions and practical approach to problem solving in the e-Commerce industry. "Snuffles" had developed a full working prototype and were recruiting early adopters to test their solutions platform.





# Academic Developments



## Academic Enhancement

### • Academic Staff Development and Learning

In 2019, the University continued to enhance its support for academic staff development and student learning. Student performance and feedback data formed the basis of the year's focus for academic staff development, resulting in a variety of professional development programmes which better addressed gaps in teaching and learning practices.

Increased engagement between the Academic Enhancement Division and academic departments also proved effective in addressing issues and challenges in teaching and learning unique to specific groups. This led to collaborative efforts in identifying departmental strategies for improvements and customised workshops designed for a specific audience. Some examples include workshops on alternative assessments, project-based assessments and blended learning implementation.

The Lancaster University Postgraduate Certificate in Academic Practice (PgCAP) continued to be co-delivered by Lancaster University and Sunway University, primarily through the Academic Enhancement Division. The programme offered at Sunway was identified by Lancaster University as the most outstanding among all of Lancaster's international partners, in terms of delivery strategies and successful completion rate. This was also commended by a UK Quality Assurance Agency review carried out in 2019 on the transnational partnership between both institutions. Cohort 2019 commenced in August with 20 participants, the highest cohort enrolment to date. The total number of academic staff enrolled in PgCAP at various stages in 2019 was 35.

Twenty staff participated in the eighth International Partnership Development programme conducted at Lancaster University in March with a theme focused on "Globalisation of the Curriculum". Participants gained better insights on how various strategies in globalising the curriculum could result in more inclusive programmes and enhancement of graduate attributes. Since its commencement, 136 staff have gained the benefits from the programme.



## Academic Standards

**S**unway University has always been committed to assuring the standards and quality of the awards and educational experience enjoyed by its students, and in the year 2019, recognition of this commitment was given not only by local authorities but also from international bodies.

In August 2019, Sunway University was chosen by the Malaysian Qualifications Agency (MQA) as one of the main private institution to host a group of international delegates from education ministries and quality assurance agencies from various countries, such as Afghanistan, Timor-Leste, Mauritius and Seychelles, as part of MQA's Internship Programme. The main objective of the programme was to share Sunway University's internal quality assurance systems and processes with the international delegates who were eager to learn best practices in assuring quality in the delivery of higher education programmes. The University's involvement in MQA's Internship Programme shows the level of confidence and recognition awarded by MQA on the quality of Sunway University's delivery of higher education.

Sunway University also participated in the UK Quality Assurance Agency (QAA) review of UK transnational education in Malaysia which focussed on Lancaster University's partnership with Sunway University. The review took place in October, and was conducted by the QAA review panel and attended by MQA representatives. Sunway University has been in partnership with Lancaster University since 2006, offering a suite of undergraduate and postgraduate programmes. This long-standing partnership with Lancaster University provides an educational experience for Malaysian students that meet UK academic standards and quality requirements. The QAA review of the partnership indicated that there are effective processes in place for setting and maintaining academic standards, and that Sunway University provides a high-quality experience for its students. This partnership will continue to develop in breadth and depth, as discussions of multi-disciplinary offerings with increased emphasis on postgraduate degrees and expanding research collaborations, are underway.

In 2019, further initiatives were also undertaken to enhance academic staff productivity and efficacy of the academic community in monitoring, maintenance and enhancement of academic quality. One such initiative was the implementation of a Programme Management System, IonCUDOS - a platform that automates outcome-based education (OBE) best practices, ranging from curriculum design, delivery and assessment planning to attainment of graduate attributes. The Academic Standards and Quality Office also conducted several training workshops to the academic community on OBE requirements and curriculum design. With these initiatives in place, the University is in a better position to manage the effective implementation of OBE.





● **Technology Enhanced Learning Support**

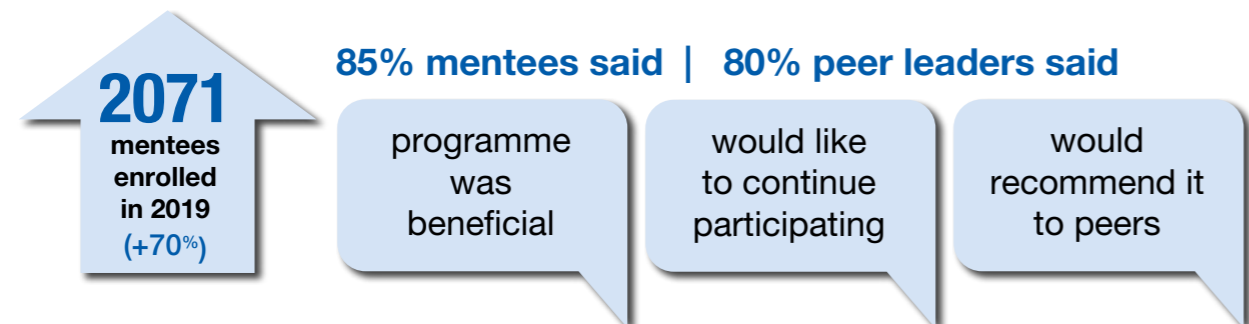
A group of academic staff across the schools and departments were identified as advanced practitioners in specific areas of teaching and learning, technology. They served as a more readily accessible support to their peers and work closely with the Academic Enhancement Division to help promote best practices in pedagogic approaches.

● **Peer Assisted Learning Programme**

The Peer Assisted Learning Programme (PALP) continues to support a number of first- and second-year bachelor's degree students who were deemed "at risk". Weekly peer learning sessions were facilitated by peer leaders who are high achievers that have been carefully selected and trained to effectively facilitate peer learning, share relevant learning strategies and resources with their peers.



Student feedback consistently demonstrated that participants, whether as peer leaders or mentees, who have undergone the programme, gained better understanding of their subjects and experienced improvement in communication skills as well as ability to seek or provide support in times of learning difficulty. Student feedback on PALP correlates positively with their subject performance. Data shows that students who regularly attend PALP learning sessions are more likely to achieve better grades and are less likely to fail that subject.



## Outstanding Research

**2**019 was another exceptional year for research in the University with over 550 papers published and over 4000 citations. A total exceeding RM 3.5 million was secured in external grant income which was a 64% increase from the previous year. Approximately RM 854,000 was from The Ministry of Education Fundamental Research Grant Scheme (FRGS) awarded to eight of our academic staff. Other notable successes include Dr Yong Min Hooi who was awarded the Ministry of Education's Long-term Research Grant Scheme (LRGS) amounting to RM 2,473,400 for her project on "Successful Ageing: Evidence-based interventions to delay ageing-related decline" and Professor Glenda Crosling's project on "Technical Writing on the Study on Enhancing Intra-ASEAN University Student Mobility" funded by the British Council amounting to RM 832,386. Mr Matt van Leuwen from Sunway iLabs and Ms Karen Chand from the Jeffrey Sachs Centre on Sustainable Development also secured external grants amounting to RM 63,600 in total from Sunway Lagoon and the Sustainable Development Solutions Network respectively.



Dr Yong Min Hooi (centre), flanked by Dr Audrey Lim (left) and Dr Nur Ain Shahrier (right).

Two academic staff achieved outstanding results in their research initiatives. Professor Mohd Kheireddine Aroua [Associate Dean (Research) and Head of Research Centre for Carbon Dioxide Capture and Utilisation] and Professor Saidur Rahman [Head, Research Centre for Nano-Materials and Energy Technology] were recognised as 2019 Highly Cited Researchers by The Web of Science Group who identifies the world's most influential researchers annually. In 2019, only 0.1% of the world's researchers across 21 research fields earned this exclusive distinction. Professor Kheireddine Aroua and Professor Saidur Rahman were among this elite group recognised for their exceptional research influence, demonstrated by the production of multiple highly-cited papers that rank in the top 1% by citations for field and year in Web of Science.



Prof. Kheireddine at the Malaysia's Research Star Award (MRSAs) 2019

Also noteworthy was the success of a joint research funding application by Sunway University and Lancaster University, resulting in the Global Challenges Research Fund (GCRF) for the project entitled "ProtoPolicyAsia: empowering local communities and Government in Malaysia in addressing social issues in ageing and disabilities". The project involves the Ministry of Women, Family and Community Development Malaysia, Petrosains - The Science Discovery Centre in Kuala Lumpur, Lancaster University, Sunway University and United Nations University - International Institute for Global Health in Malaysia. Co-investigators from Sunway led by Dr Yong Min Hooi from the Department of Psychology were Associate Professor Dr Lau Sian Lun (Department of Computing and Information Systems), Associate Professor Dr Hwang Jung Shan (Department of Medical Sciences) and Dr Clarissa Lee (Jeffrey Sachs Center on Sustainable Development).



## Research Centres

In 2019, The University also established several research centres to further emphasise impactful research that addresses societal needs. One such centre is the Research Centre for Human-Machine Collaboration (HUMAC), established with research foci areas of senses: visual, audial, haptics, olfactory, motion; as well as analytics, and robotics through a multi-disciplinary approach. Its current research projects are focused on assisting individuals who are Blind and Visually Impaired (BVI), by investigating haptic apps for online shopping, robotic sensing, sensing & tracking as well as the use of drone technologies.



Malaysia's First Dedicated 2D Materials Research Lab was also established during the year. It is envisaged that this RM 3.5 million investment in leading edge facilities will advance the development of a novel graphene nano lubricant for automotive and industrial application as well as new 2D materials for supercapattery and low-cost thermoelectric generators.

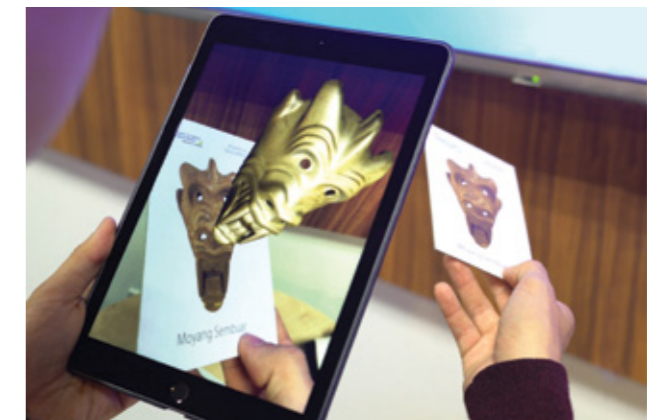
With the development of technology at an exponential pace, cyber security and data security have become the critical concern of every industry. In view of that, the CyberSecurity Intelligence (CSI) Lab was launched in October to serve as a platform to connect academia and industry and encourage greater exchange and collaboration among stakeholders, in order to accelerate the development of cybersecurity talents as well as to strengthen cybersecurity expertise in the country.



## Other Research Activities

The School of Arts put together its first large scale fully immersive virtual reality experience showcasing the rich cultural heritage of Malaysia. The project sought to explore the possibilities of introducing an instructional/visual experiential museum through the Malaysian Cultural Heritage projects being conducted in the Centre for Research-Creation in Digital Media.

This endeavour provided the platform for bridging arts with archaeology, anthropology, cultural studies, history and other disciplines, and also sparked other collaborations such as the work with UNESCO through the Universiti Kebangsaan Malaysia. The Unseen Arts in the Malay Culture and Heritage, another following research project aimed to digitize selected tangible and intangible culture and heritage of the Malay culture empire, that had typically been overlooked or disregarded.



Academics from the Business School were contributing authors in a book commissioned by the Malaysian Tax Research Foundation. The book entitled Malaysia's Taxation System: Contemporary Practices, Issues and Future Direction is a comprehensive analysis of current taxation practices, issues and challenges in Malaysia and was edited by Professor Mohamed Ariff Syed Mohamed and Professor Yeah Kim Leng and published by the Sunway University Press.





## External Research Grants Awarded

Listed in the order of quantum received

Principal Investigator	Title of Research	Funding Body	Amount (RM)
Dr Yong Min Hooi	Successful ageing: Evidence-based interventions to delay ageing-related decline	Ministry of Education, Long term Research Grant Scheme	2,473,400
Professor Glenda Crosling	Technical writing on the study on enhancing intra-ASEAN university student mobility	British Council	832,386
Dr Yong Min Hooi	Employing speculative design in enabling governments and community groups to imagine the future implications of health policy initiatives in creative ways	Arts Humanities Research Communities (AHRC)	212,046
Dr Chook Jack Bee	Fundamental understanding of DNA methylation of Hepatitis B virus prior to hepatocarcinogenesis and its role in replication	Ministry of Education, Fundamental Research Grant Scheme	185,700
Dr Teow Sin Yeang	Investigating the role of SIRT1-autophagy regulatory axis in chemoresistance in hepatocellular carcinoma (HCC) using 3D tumour spheroid in vitro model	Ministry of Education, Fundamental Research Grant Scheme	173,810
Dr Yow Yoon Yen	Investigation of cellular and molecular mechanisms of Gracilaria manilaensis-mediated functional recovery enhancement following peripheral nerve injury in an in vivo model	Ministry of Education, Fundamental Research Grant Scheme	118,800
Dr Yong Min Hooi	The adult neuroplasticity model: Age related decline in executive function	Ministry of Education, Fundamental Research Grant Scheme	100,200
Professor Mohamed Ariff Syed Mohamed	Sovereign Debt, Credit Rating and Fiscal Sustainability	Ministry of Education, Fundamental Research Grant Scheme	85,700
Associate Professor Dr Chua Hui Na	A stakeholder interaction model to understand data protection regulations in the globalized digital age	Ministry of Education, Fundamental Research Grant Scheme	66,600
Dr Gew Lai Ti	Conversion of glycerol to value-added products through biocatalysis reaction using microreactor	Ministry of Education under the Hubert Curien Partnership - Hibiscus programme	66,000
Associate Professor Dr Teh Pek Yen	Redefining the past for the future: The investigation of nostalgic attachment for the representation of Ipoh Cultural heritage in the 21 <sup>st</sup> century	Ministry of Education, Fundamental Research Grant Scheme	65,752

## External Research Grants Awarded (continued)

Listed in the order of quantum received

Principal Investigator	Title of Research	Funding Body	Amount (RM)
Professor Yau Kok Lim	A novel clustering algorithm based on reinforcement learning for the optimisation of global and local network performances in mobile networks	Ministry of Education, Fundamental Research Grant Scheme	57,200
Dr Tan Ai Ling	Data collection study on business events economic	Malaysia Convention & Exhibition Bureau (MyCEB)	47,000
Professor Abhimanyu Veerakumarasivam	ASEAN responsible conduct of research project	International Science Council	35,002
Ms Karen Chand	Global Solutions Forum	Sustainable Development Solutions Network	33,600
Mr Matthijs Geert-Jan Van Leeuwen	Centralised zoo management system	Sunway Lagoon	30,000
Associate Professor Dr Mayco Axel Santaella	National Women's Day Gala Dinner-Women of Great Times, Turning Promises into Action, video production and music performance	Sunway Berhad	25,000
Associate Professor Dr Angela Lee	Sunway Medical Claims Analytics Project	Sunway Berhad	15,000
Professor Poh Chit Laa	Efficacy of ProtectUs Viridis disinfectant against bacteria and viruses	Surfacetech S/B	12,000
Dr Ooi Pei Boon	Online safety and youth exposure to cyberbullying in Malaysia	DIGI	5,000
Dr Elizaveta Berezina	Cross-Cultural study of meta-norms	Stockholm University	4,539

## Research Infrastructure Grant Scheme

Listed in the order of quantum received

Recipient	Amount (RM)
Centre for Biomedical Physics	1,000,000
Research Centre for Crystalline Materials	1,000,000
Graphene and Advanced 2D Material Research Group	1,000,000
Research Centre for Nano-Materials and Energy Technology	600,000
Asia Pacific Centre for Hospitality Research	150,000
Centre for Higher Education Research	50,000



## Internal Research Grants Awarded

Listed in the order of quantum received

Principal Investigator	Title of Research	School	Amount (RM)
<b>Professor Mohammad Khalid</b>	Conductive matrix supported metal phosphate nano frameworks based solid state supercapattery for electric vehicles - a collaboration with <i>Universiti Malaya</i>	Science and Technology	250,000
<b>Dr Chen Jit Ern</b>	Experimental evolution and retrotransposon-mediated genetic engineering of the coral endosymbiont alga <i>Symbiodinium</i> to develop increased tolerance to higher water temperatures - a collaboration with University of Cambridge and University of Hamburg	Science and Technology	245,000
<b>Professor Poh Chit Laa</b>	Development of an oral universal peptide-based influenza A vaccine by using PLGA-Al(OH) <sub>3</sub> nano-adjuvant as a potential carrier - a collaboration with University of Oxford	Science and Technology	212,500
<b>Professor Saidur Rahman</b>	Improving specific heat capacity and thermal conductivity of molten salt based nano-fluids for solar energy harvesting in concentrated solar power systems - a collaboration with Nanyang Technological University	Science and Technology	212,500
<b>Dr Adarsh Kumar Pandey</b>	Investigation on thermophysical properties of nano-enhanced phase change materials for concentrated photovoltaic thermal (CPVT) systems - a collaboration with <i>Universiti Malaya</i>	Science and Technology	212,000
<b>Dr Kavita Reginald</b>	Characterization of the major house dust mite allergen - a collaboration with National University of Singapore	Science and Technology	196,010
<b>Dr Abdul Khaliq Rasheed</b>	Investigation of wetting characteristics and performance of MXene-graphene based marine nanolubricant	Science and Technology	47,500
<b>Dr Farihausnah Hussin</b>	Carbon dioxide adsorption using biomass-based activated carbon functionalised with deep eutectic solvents	Science and Technology	47,500
<b>Associate Professor Dr Gopalsamy Reuben Clements</b>	Direct and indirect effects of insecticide fogging on urban biodiversity	Science and Technology	47,500
<b>Dr Kavita Reginald</b>	Functional characterization of key genetic markers involved in allergic diseases	Science and Technology	47,500
<b>Associate Professor Dr Lau Sian Lun</b>	Driver attention management for onroad safety using IoT and context-awareness	Science and Technology	47,500
<b>Dr Michelle Lee Chin Chin</b>	Towards a conceptual framework on workplace harassment: a multilevel perspective	Science and Technology	47,500

## Internal Research Grants Awarded (continued)

Listed in the order of quantum received

Principal Investigator	Title of Research	School	Amount (RM)
<b>Professor Mohamed Kheireddine Aroua</b>	Novel chemical reactive alkanolamine based nanofluids for CO <sub>2</sub> capture	Science and Technology	47,500
<b>Dr Mohd Ishtiaq Anasir</b>	Development of novel inactivated EV-A71 vaccines by gamma-irradiation and electron beam-irradiation	Science and Technology	47,500
<b>Professor Naveed Ahmed Khan</b>	<i>Naegleria fowleri</i> interactions with the nasal epithelium: a primary step in parasite invasion of the central nervous system	Science and Technology	47,500
<b>Professor Ruqaiyyah Siddiqui</b>	Carbohydrate analysis of cysts of brain-eating amoebae	Science and Technology	47,500
<b>Dr Syed Shahabuddin and Dr Arifuzzaman Rahat</b>	MXene/conducting polymers-based nanocomposites as photocatalyst for waste water treatment	Science and Technology	47,500
<b>Woo Pei Jun</b>	Early discrimination of lexical tones: effects of age, native language, and acoustic similarity	Science and Technology	47,500
<b>Dr Yong Min Hooi</b>	Born to cry: are mechanisms underlying crying and caregiver responses shared across mammals?	Science and Technology	47,500
<b>Dr Yow Yoon Yen</b>	In vitro antidepressant effect of Malaysian brown seaweed <i>Padina australis</i> through its neuroprotective potential	Science and Technology	47,500
<b>Clarissa Lee Ai Ling</b>	A-S/S-A : Art-science approaches to knowledge generation in sustainable futures	Interdisciplinary Studies	45,000
<b>Dr Graeme Atherton</b>	21 <sup>st</sup> century skills and blended learning in higher education: A developmental spectrum in ASEAN countries	Interdisciplinary Studies	40,000
<b>Dr Ayaz Anwar</b>	Development of nanotheranostic probe against <i>acanthamoeba</i> infections	Science and Technology	38,000
<b>Dr Cheong Huey Tyng</b>	Data models in mathematical modelling	Mathematical Sciences	33,000
<b>Professor Sabine Chaouche</b>	'Sensationalistic' acting: The Phantom and Phantasy of Death (18th-20th century) - a collaboration with University of Oxford	Arts	30,000
<b>Dr Chook Jack Bee</b>	Defining the role of co-circulating hepatitis delta virus in Hepatitis B-related liver cirrhosis	Healthcare and Medical Sciences	28,000
<b>Dr Teow Sin Yeang</b>	Defining the role of fibroblast growth factor receptor 4 (FGFR-4) and its corresponding ligands in the pathogenesis of nasopharyngeal carcinoma (NPC)	Healthcare and Medical Sciences	28,000



## Internal Research Grants Awarded (continued)

Listed in the order of quantum received

Principal Investigator	Title of Research	School	Amount (RM)
<b>Associate Professor Dr Hwang Jung Shan</b>	Association of methotrexate with micrnas profile of exosomes in rheumatoid arthritis patients and the role of exosomes in methotrexate efficacy	Healthcare and Medical Sciences	26,000
<b>Dr Chew Ming Tsuey</b>	Identification of radio-resistant biomarkers for nasopharyngeal carcinoma	Healthcare and Medical Sciences	25,000
<b>Professor David Bradley</b>	A study on therapeutic strategy of cancer and inflammation through radiation- and endoplasmic reticulum-mediated hormesis	Healthcare and Medical Sciences	25,000
<b>Dr Human Esmaeili</b>	The first large scale full immersive virtual reality experience targeting cultural heritage of Malaysia: Researcher approach to the future of museum in Malaysia	Arts	25,000
<b>Associate Professor Dr Mayco Axel Santaella</b>	Made in Nusantara: International Symposium on Popular Performance - a collaboration with Universiti Kebangsaan Malaysia	Arts	25,000
<b>Professor Mayeen Uddin Khandaker</b>	Production of no carrier added new emerging PET radionuclides for medical applications	Healthcare and Medical Sciences	25,000
<b>Professor Mohamed Kheireddine Aroua</b>	Development of novel CO2 capturing agents from natural resources - a collaboration with Universiti Malaya	Science and Technology	25,000
<b>Associate Professor Dr Sim Tze Ying</b>	The impact of equipping novice programmer with problem solving skills first as compared to block programming skills first	Interdisciplinary Studies	24,500
<b>Associate Professor Dr Mayco Axel Santaella</b>	Heritage in motion: A documentary of the Bajau Laut Igal tradition	Arts	24,200
<b>Dr Ooi Pei Boon</b>	A cognitive behavioural therapy (CBT) psychoeducational intervention program as a tool to increase quality of life among patients with end-stage renal disease (ESRD)	Healthcare and Medical Sciences	23,000
<b>Nor Hazlin Nor Salam</b>	Alleycats: The musical documentary film	Arts	22,000
<b>Dr Goh Yi Sheng</b>	Design for sustainability -- social innovation project in Kampung Sungai Lima	Arts	20,160
<b>Dr Ashkan Memari</b>	Linking direct-shipping to distribution network performance: A discrete event simulation study - a collaboration with Universiti Teknologi Malaysia	Business	20,000
<b>Professor Marcus Stephenson</b>	Tourism research in the Pacific islands	Hospitality	20,000

## Internal Research Grants Awarded (continued)

Listed in the order of quantum received

Principal Investigator	Title of Research	School	Amount (RM)
<b>Ng Kar Wei</b>	Influence of sleep quality and before-sleep activities on academic performance of student nurses	Healthcare and Medical Sciences	20,000
<b>Delas Santano</b>	The unseen arts in the Malay culture and heritage	Arts	17,500
<b>Dr Daisy Gayathri Kanagasapathy</b>	The relationship between heritage destination and tourist: A flow theory perspective	Hospitality	16,000
<b>Priyadharshini Ahumugam</b>	Cyberbullying among Malaysian adolescents : The role of parents & school counsellors in cyberbullying prevention	Arts	14,800
<b>Dr Aditi Mitra</b>	Drivers of sustainability and business performance for firms in Malaysia	Business	14,615
<b>Dr Evelyn Toh Bee Hwa</b>	Mass media effects in formation of attitudes towards an internalized shopping centre	Business	14,615
<b>Dr Hassanudin Mohd Thas Thaker</b>	Residential property market in Malaysia: An analysis of price drivers	Business	14,615
<b>Leong Ken Yien</b>	Exploring the predictive power of dividend discount model (DDM) and P/E model on banking securities	Business	14,615
<b>Manjeet Kaur Harnek Singh</b>	Impact of health reforms on household welfare and labour market in Malaysia	Business	14,615
<b>Dr Mary P Anthony</b>	Who is the boss? A phenomenological study of women strategizing career moves into leadership roles	Business	14,615
<b>Dr Mirzet Seho</b>	The effects of diversification on bank strength: Evidence from dual-banking systems using CAMEL-DEA approach	Business	14,615
<b>Dr Mohammad Jasim Uddin</b>	Grievance mechanism and labour right in the developing country: An exploratory investigation	Business	14,615
<b>Dr Nasir Abdul Jalil</b>	Self-service checkouts: situational factors, technology anxiety and perceived effects	Business	14,615
<b>Norazryana Mat Dawi</b>	Exploring customers' intention to adopt a wearable healthcare device: The case of smartwatch	Business	14,615
<b>Dr Teoh Chai Wen</b>	Effects of destination image on tourist's decision: A study on destination branding	Business	14,615
<b>Dr Zubeida Rossenkhan</b>	Sustainable careers post disability: A case of sudden mobility loss	Business	14,615



## Internal Research Grants Awarded (continued)

Listed in the order of quantum received

Principal Investigator	Title of Research	School	Amount (RM)
Rachel Thomas Tharmabalan	Lessons from Japan: recognizing and promoting the value of underutilized food crops through tourism	Hospitality	13,000
Professor Sabine Chauouche	Stage production at the Comédie-Française (1750-1790)	Arts	12,000
Serena Leow Wai Yee	The impact of mobile instant messaging (MIM) applications on faculty members' wellbeing in Malaysia	Arts	12,000
Farah Atiqah Binti Mohamad Noor	An analysis of the local community's perception of slow tourism in Malaysia	Hospitality	11,000
Dr Malissa Maria Mahmud	Beyond the performance: A meta-analysis of blended learning and technology use in higher education	Interdisciplinary Studies	10,700
Associate Professor Dr Cheng Boon Liat	Factors leading to the consumption of dietary supplements	Business	10,000
Dr Derek Ong Lai Teik	The influence of perceived social media activities on consumer-based brand equity: A moderated-mediation model	Business	10,000
Associate Professor Dr Foo Yin Fah	The future of work of accountants	Business	10,000
Dr Ho Wai Kee	Sustainability reporting: An action research	Business	10,000
Dr Izian Idris	Advertising to Muslim consumers: The role of advertising and branding towards halal consumption	Business	10,000
Dr Jason Cheok Boon Chuan	Cultural intelligence and inclusion: Addressing relational challenges of cultural diversity in a high power distance culture	Business	10,000
Dr Jaspal Singh	Integrated reporting: A Malaysian perspective	Business	10,000
Dr Jessica Ho Sze Yin	Emotional cues and desire to use augmented reality apps for consumer product marketing	Business	10,000
Dr Joyce Nga Koe Hwee	Exploring the influence of Asian cultural values and financial knowledge acquisition on financial planning behaviours: A Malaysian study	Business	10,000
Lee Kian Tek	Corporate sustainability, shariah-compliance, and firm performance: Evidence from Malaysia	Business	10,000
Professor Mohamed Ariff	Sovereign debt, credit rating and fiscal sustainability	Business	10,000
Dr Nur Ain Shahrier	What is the optimal bank levy for ASEAN-3 and levy effect on the economic wide impact?	Business	10,000

## Internal Research Grants Awarded (continued)

Listed in the order of quantum received

Principal Investigator	Title of Research	School	Amount (RM)
Professor Yuka Fujimoto	Do employees feel happy when their work and family are enriched? - An experimental study	Business	10,000
Dr Lee Mok Siang	The approximate greatest descent method for large scale optimization: A low dimension sub-space approach	Mathematical Sciences	9,200
Dr Lai Kee Huong	Artificial intelligence in insurance: A review	Mathematical Sciences	4,600
Dr Khoo Wooi Chen	A study with applications to unemployment insurance scheme	Mathematical Sciences	3,200

## Jeffrey Cheah Travel Grants for Southeast Asia Studies

### From Sunway to Harvard: A Master's student's experience

Sunway University Master's degree student, Charlene Sha Hong Xi received the Jeffrey Cheah Travel Grants for Southeast Asia Studies amounting to USD 6,250 for her research attachment at Harvard University in the 2019 Spring Semester. Charlene spent one month in the laboratory of Dr Elise Robinson for her research on the methotrexate pharmacogenetics in the treatment of rheumatoid arthritis. During her visit, Charlene had the opportunity to learn the most up-to-date programming language - R studio from Dr Kumar Veerapen and the genetic analysis tool - Plink from Dr Raymond Walters.





# School Highlights



	Employed by Graduation*	Graduates Earning Above RM3000*	New Students	Total Enrolment	International Students	Total Staff <sup>†</sup> AC: Academic AD: Administrative INT: International Academic Staff	Internal Grants Received <sup>‡</sup>	External Grants Received <sup>‡</sup>	Graduates (All)	Class I & II(I) (Bachelor's only)	New Programmes Launched
<b>Arts</b>	77%	23%	392 (-2%)	959 (+18%)	16%	46 AC 12 AD 21% INT Total = 58	RM 202,700	RM 25,000	184	67%	–
<b>Business</b>	86%	24%	1099 (+9%)	2936 (-2%)	9%	91 AC 19 AD 23% INT Total = 110	RM 325,400	RM 85,700	920	40%	Master of Human Resource Management • BA (Hons) Business Analytics
<b>Healthcare and Medical Sciences</b>	100%	–	91 (+54%)	204 (+22%)	1%	29 AC 8 AD 8% INT Total = 37	RM 200,000	RM 364,500	46	–	–
<b>Hospitality</b>	86%	24%	353 (-1%)	865 (+1%)	25%	25 AC 9 AD 9% INT Total = 34	RM 60,000	RM 112,800	255	48%	–
<b>Mathematical Sciences</b>	77%	30%	189 (+1%)	535 (-3%)	6%	18 AC 5 AD Total = 23	RM 50,000	–	155	65%	PhD in Mathematical Sciences • BSc (Hons) in Industrial Statistics
<b>Science and Technology</b>	85%	32%	646 (+3%)	1737 (+7%)	15%	80 AC 24 AD 23% INT Total = 104	RM 2,056,000	RM 3,160,800	395	58%	–
<b>Interdisciplinary Studies</b>	–	–	274 (+43%)	348 (+35%)	21%	62 AC 21 AD 5% INT Total = 83	RM 120,200	RM 866,000	–	–	Master in Sustainable Development Management

\* Based on MOHE Tracer study 2019 (Number of Bachelor's and Diploma graduates who are employed full-time or part-time at time of survey, divided by total respondents excluding those who further studies, undergo skill enhancement and chose not to work)  
 \* Based on MOHE Tracer study 2019 (Number of Bachelor's graduates earning RM 3000 and above, divided by Number of Bachelor's and Diploma graduates who are employed and who provided income information)  
 † Based on headcount of full-time staff.  
 ‡ Grant amount rounded up to the nearest RM 100.



# Scholarly Activities

## Jeffrey Cheah Distinguished Speaker Series (JCDS)

4 January

### Transformative Education for Global Health Equity



Speaker:  
**Professor Lincoln Chen**  
*President of the China Medical Board*

24 January

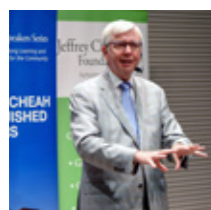
### Human Anatomy and Forensic Anthropology in Child-Related Crime Investigations



Speaker:  
**Professor Dame Sue Black**  
FRSE FRAI FRSE  
*Pro-Vice-Chancellor (Engagement),  
Lancaster University*

10 June

### Global Universities in An Age of Anxiety



Speaker:  
**Professor Stephen J Toope**  
OC, LLD  
*Vice-Chancellor,  
University of Cambridge*

28 June

### Climate Change and Unique Challenges to Pacific Island Countries



Speaker:  
**HE The Honourable Baron Waqa**  
*President of the Republic of Nauru*

19 August

### Measuring the World – Can We Believe The Statistics?



Speaker:  
**Professor Denise Lievesley**  
CBE, FAcSS  
*Principal of Green Templeton College,  
University of Oxford*

21 November

### How Quantum Mechanics Might Answer Life's Biggest Questions



Speaker:  
**Professor Jim Al-Khalili**  
OBE FRS FInstP  
*Professor of Physics,  
Chair in the Public Engagement  
in Science,  
University of Surrey*

27 November

### Optimism in the Past, Pessimism in the Future?



Speaker:  
**Dame Minouche Shafik**  
*Director,  
London School of Economics and  
Political Science*

## Professorial Lecture Series

23 April

### Transforming Business Action Towards Eliminating Plastic Waste



Speakers:  
**Professor Gail Whiteman**  
*Director of the Pentland Centre for  
Sustainability in Business,  
Lancaster University*



**Professor Jeffrey Unerman**  
*Associate Director,  
Pentland Centre for Sustainability in Business,  
Lancaster University*

18 June

### Designing and Delivering Tomorrow's World



Speakers:  
**Professor Nick Dunn**  
*Professor of Urban Design  
Executive Director of ImaginationLancaster  
Associate Director of the Institute  
for Social Futures,  
Lancaster University*



**Professor Harry Hoster**  
*Professor of Physical Chemistry and  
Director of Energy Lancaster,  
Lancaster University*

31 October

### Energy from the Sun: Role of Nanotechnology



Speaker:  
**Professor Saidur Rahman**  
*Distinguished Research Professor  
Head of Research Centre for Nano-Materials  
and Energy Technology,  
Sunway University*



Date	Topic	Event Type
19-21 January	ASFRC Meeting: Rising Debt and the Next Financial Crisis	Closed door meeting and press conference
23 January	The National Security Framework for ASEAN In a Multi-Polar World	Forum
28 January	The 2018 Malaysian General Election: The Return of Mahathir and the Exit of UMNO	Forum and the launch of the Journal of Current Southeast Asian Affairs
28 March	The European Economy and Monetary Policy in and Out of the Crisis	Public lecture
29 March	Asian Economic Panel Meeting	Closed door meeting and paper presentations



## Jeffrey Cheah Institute on Southeast Asia (continued)

Date	Topic	Event Type
11 April	Topic 1: Current Financial Survivability Challenges in Malaysian Higher Educational Institutions  Topic 2: Adapting University Education to the Needs of the Fourth Industrial Revolution	Education forum
27-28 April	The United Nations Children's Fund (UNICEF) Training on Children's Rights and Business Principles	Training <i>(in collaboration with UNICEF)</i>
27 May	Beauty Regimens: Disciplining Filipina Labour in Colonial Schools and Prisons	Public lecture <i>(JCI Scholar Sharing Session)</i>
29 May	Can Electoral Systems Encourage Politics of Moderation?	Dialogues session
10 June	The Belt and Road Initiative: Myths and Misconceptions of China's Motives and Involvement	Public lecture
18 June	Socio-Ecological Strategies and Urban Design Practices in the Tropics	Public lecture <i>(JCI Scholar Sharing Session)</i>
8 July	Topic 1: Changing Mind-set of Private Universities: The Case of the International University of Malaya-Wales (IUMW)  Topic 2: The Rise of Malaysian Private Universities in Quality and World Ranking: Implications and Impact	Education forum
10 July	Workshop on How to Develop and Pitch a Policy Proposal and Public policy Competition	Workshop & Competition <i>(in collaboration with Student LIFE, part of the Sunway Student Exchange Programme)</i>
9 August	The Dragon Amongst Tigers: China and Cross Border Trade Shocks in Asia	Forum
19 August	Beyond 2020: Fresh Views, New Visions	Forum <i>(in collaboration with the CENTRE)</i>
6 November	Growth and Job Creation for Our Youth	Closed door roundtable discussion <i>(in collaboration with REFSA)</i>
18 November	ASEAN Sustainability Summit 2019	Conference <i>(in collaboration with ASLI)</i>
26 November	Endowment: The Only Way Forward for University Survival	Education Seminar
4 December	Social Media and New Politics in Malaysia	Forum & Book Launch <i>(in collaboration with School of Arts, Sunway University)</i>
7 December	Youth Defence Summit 2019	Conference <i>(in collaboration with #UNDI18 and supported by the office of the then Deputy Defence Minister, Malaysia)</i>
10 December	Malaysian Trolls: Internet-based Political Trolling as the New Normal in Malaysian Politics	Public Lecture



Date	Topic	Event Type
24 March	Empowering Civil Society Leaders for Sustainable Development, organised in collaboration with MyPJ	Community workshop
20 April	Rotary Club Plastic Workshop & Sustainability	Community workshop
14-15 May	Global Solutions Forum (GSF) Workshop series: 1: Sustainable and Inclusive Economic Growth 2: Land Regeneration and Smart Infrastructure 3: Social Inclusion	Workshop
25 May	Executive Training for APM Automotive - Sustainability Awareness and Corporate Sustainability Reporting	Executive training
6 August	Workshop on Organisations and the Sustainable Development Goals (SDGs) for Victoria University students	Workshop
8 August	Global Solutions Forum (GSF) Consultative Workshop Follow Up Session - Sustainable and Inclusive Economic Growth	Workshop
26 August	Leadership Sustainability Initiative workshop for Lancaster University students.	Workshop
7-8 October	Executive Training for Daiken Sarawak on the United Nations Sustainable Development Goals (SDGs)	Executive training
18 November	ASEAN Sustainable Development Summit 2019 in collaboration with the Asian Strategy and Leadership Institute (ASLI) and the Sustainable development Solutions Network Malaysia Chapter (SDSN-Malaysia)	Summit



Jeffrey Sachs Center on Sustainable Development hosted the Rotary Club of Bukit Kiara Sunrise at the Sunway University Post Graduate Lounge.



ASEAN Sustainable Development Summit 2019 at the Sunway Resort Hotel & Spa.



# International Collaborations

## Agreement with the Royal College of Physicians London

In March 2019 an agreement between the Royal College of Physicians London (RCP), Sunway University and Sunway Medical Centre was signed by Tan Sri Dr Jeffrey Cheah AO, Chancellor of Sunway University, Professor Ali Jawad, Vice-President RCP Global, Professor Sir Stephen O’Rahilly FRS, Director of the Wellcome - MRC Institute of Metabolic Science, Cambridge, and Mr Lau Beng Long, Managing Director, Sunway Medical Centre. The Agreement provides for biannual delivery of RCP-Cambridge-Sunway Continuing Medical Education (CME) seminars as well as a training programme for the practical element of the MRCP Part 2 examination (PACES). The first CME Seminars took place in April 2019 and, in September, CME Seminars and the first PACES training programme were successfully conducted in Sunway Medical Centre.



The RCP London is the oldest medical institution in the United Kingdom. It received a royal charter from King Henry VIII in 1518, and is a peak professional body dedicated to improving the practice of medicine mainly through accreditation of physicians by examination.

Speakers at the two CME Seminars included Dr Jane Sterling and Dr Fraz Mir (Addenbrooke’s Hospital); Professor Edmund Ong (NUMed); Dr Russell Roberts (Associate International Director RCP); Professor Tan Maw Pin (Universiti Malaya)

## Third Cambridge-Oxford-Sunway Biomedical Symposium

The third Cambridge-Oxford-Sunway Biomedical Symposium was held in March at the Sunway Medical Centre. The Symposium was convened by Professor Sir Stephen O’Rahilly FRS, and was opened by the Malaysian Minister of Health, YB Datuk Seri Dr Haji Dzulkefly bin Ahmad. The speakers were:



### Cambridge University

- **Professor Sir Stephen O’Rahilly FRS**, Wellcome-MRC Institute of Metabolic Science
- **Professor Nick Wareham**, MRC Epidemiology Unit
- **Professor Fiona Gribble**, Department of Neuroscience

### Oxford University

- **Professor Rury Holman**, Department of Diabetic Medicine
- **Professor Kieran Clarke**, Department of Physiological Biochemistry
- **Professor John Todd FRS**, JDRF/Wellcome Trust Diabetes and Inflammation Centre

### Monash University

- **Professor Mark Cooper AO**, Diabetes Department
- **Professor Paul Zimmet AO**, Diabetes Department
- **Professor Dato’ Dr Khalid Abdul Kadir**, Jeffrey Cheah School of Medicine & Health Sciences, Monash University Malaysia

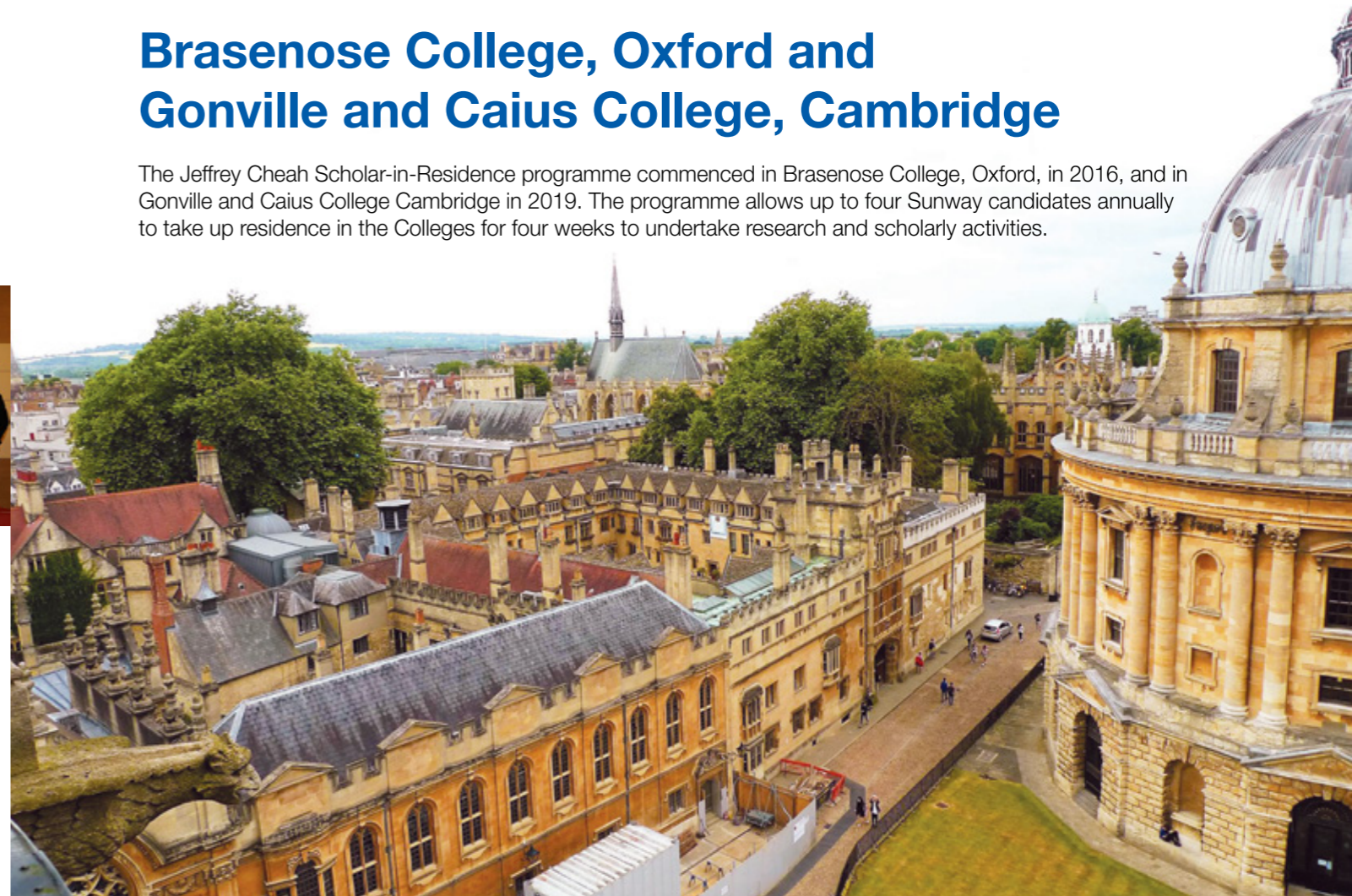
## Chevening-Jeffrey Cheah Foundation Scholarship

The Chevening Scholarships are awarded by the UK Foreign and Commonwealth Office (FCO) and enable selected graduates with leadership potential to undertake a one-year master’s degree by coursework in British universities. The prestigious scholarships are jointly funded by the FCO and participating organisations which, in Malaysia, included BAE, CIMB, HSBC, Khazanah Nasional, Prudential and Shell. The Jeffrey Cheah Foundation (JCF) became a Chevening partner in 2019. In March, a Memorandum of Agreement was signed at the British High Commission by Tan Sri Dato’ Seri Dr Jeffrey Cheah AO and the UK High Commissioner, HE Charles Hay MVO. The first Chevening-JCF scholar, Ho Rhu Yann, chose to pursue a master’s degree in public health at the University of Edinburgh.



## Brasenose College, Oxford and Gonville and Caius College, Cambridge

The Jeffrey Cheah Scholar-in-Residence programme commenced in Brasenose College, Oxford, in 2016, and in Gonville and Caius College Cambridge in 2019. The programme allows up to four Sunway candidates annually to take up residence in the Colleges for four weeks to undertake research and scholarly activities.





# Working in Partnerships



## Partnership activities in 2019

Institution	Country	Partnership activities
Daelim University College	South Korea	Student mobility
Harvard University	United States	Travel grant
Huizhou University	China	Research connections Staff mobility Student mobility
Hungkuang University	Taiwan	Student mobility
Lancaster University	United Kingdom	Staff mobility Student mobility
London School of Economics and Political Sciences	United Kingdom	Student mobility
Lunghwa University of Science and Technology	Taiwan	Student mobility
Macquarie University	Australia	Student mobility
Seoul National University	South Korea	Student mobility
Tainan National University of the Arts	Taiwan	Student mobility
Tamkang University	Taiwan	Research connections Student mobility
University of California, Berkeley	United States	Student mobility
University of East Anglia	United Kingdom	Staff mobility

# Senior Appointments

## New Senior Hires

- Professor John Steven Perry Hobson**  
*Pro-Vice-Chancellor for Global Engagement  
 Vice-Chancellor's Office*  
 Date of Appointment: 2 January
- Professor Wong Chin Huat**  
*Jeffrey Sachs Center on Sustainable Development*  
 Date of Appointment: 01 April
- Associate Professor Dr Yeong Wai Chung**  
*Department of Applied Statistics*  
 Date of Appointment: 01 July
- Professor Bradley Carl Freeman**  
*Head of Department of Communication*  
 Date of appointment: 01 August
- Ms Leong Whye Sook**  
*Interim Head  
 Department of Nursing  
 School of Healthcare and Medical Sciences*  
 Date of appointment: 13 August
- Professor Crispin Nicholas Bates**  
*Department of Communication*  
 Date of appointment: 03 September
- Professor Angela Amphawan**  
*Department of Computing and Information Systems*  
 Date of appointment: 18 November
- Associate Professor Dr Kenneth Anthony Cafferkey**  
*Department of Management*  
 Date of Appointment: 18 November
- Professor Raymond Patrick McNamara**  
*Head of Department of Accounting*  
 Date of appointment: 11 November
- Associate Professor Dr Soon Lean Keng**  
*Department of Nursing*  
 Date of Appointment: 2 December

## Adjunct and Visiting Professors

### Vice-Chancellor's Office

- Professor Sir Alan Fersht FRS**  
*Honorary Jeffrey Cheah Distinguished Professor*  
 1 October 2019 – 30 September 2021
- Dr Graeme Atherton**  
*Adjunct Professor*  
 1 May 2018 – 30 April 2020
- Professor Sir Leszek Borysiewicz**  
*Distinguished Honorary Professor*  
 1 July 2018 – 30 June 2020

### Provost's Office

- Professor Eui Ho Suh**  
*Honorary Professor*  
 1 July 2018 – 30 June 2020
- Dr Peter Walker**  
*Visiting Professor*  
 1 January 2019 – 31 December 2021

### School of Arts

- Professor Dr Mohd Anis Md Nor**  
*Adjunct Professor*  
 1 January 2019 - 31 December 2021

### Sunway University Business School

- Professor Ramayah Thurasamy**  
*Adjunct Professor*  
 1 May 2019 - 30 April 2020
- Professor Steven Bradley**  
*Adjunct Professor*  
 30 March 2017 – 29 March 2020





### School of Healthcare and Medical Sciences

- **Professor Catherine M. Comiskey**  
Visiting Professor  
1 January 2019 - 31 December 2020
- **Dr Duncan Ronald Forsyth**  
Adjunct Professor  
15 January 2018 - 14 January 2020
- **Professor Jim S. Al-Khalili**  
Honorary Professor  
1 January 2019 - 31 December 2021
- **Professor Lee Cheok Soon**  
Visiting Professor and International Advisor  
1 February 2019 - 31 January 2022
- **Dr Lee Fatt Soon**  
Adjunct Professor  
1 October 2018 - 30 September 2020
- **Professor Lembit Sihver**  
Adjunct Professor  
1 May 2019 - 30 April 2020
- **Professor Mark Antony Hill**  
Adjunct Professor  
1 June 2019 - 31 May 2022
- **Professor Dr Ngeow Yun Fong**  
Adjunct Professor  
1 April 2019 - 31 March 2022
- **Dr Philip Poi Jun Hua**  
Adjunct Professor  
1 October 2018 - 30 September 2020
- **Professor Sibrandes Poppema**  
Distinguished Honorary Professor  
1 August 2018 - 31 July 2020
- **Professor Tan Maw Pin**  
Adjunct Professor  
1 October 2018 - 30 September 2020



### School of Science and Technology

- **Professor Ahmad Hakimuddin Razi**  
Adjunct Professor  
1 April 2017 - 31 March 2020
- **Dr Heng Boon Chin, Alexis**  
Adjunct Professor  
1 March 2019 - 28 February 2022
- **Professor Kang Ming**  
Visiting Professor  
31 December 2019 - 31 March 2020
- **Professor Kenneth Laidlaw**  
Adjunct Professor  
1 June 2017 - 31 May 2020
- **Professor Dr Laiha Binti Mat Kiah**  
Adjunct Professor  
1 February 2019 - 31 January 2022
- **Professor Louise Helen Philips**  
Adjunct Professor  
1 July 2018 - 30 June 2020
- **Professor Nigel Vincent Marsh**  
Adjunct Research Professor  
1 April 2019 - 31 March 2022
- **Professor Dr Phang Siew Moi**  
Adjunct Professor  
1 July 2018 - 30 June 2021
- **Dato' Dr Vellayan A/L Subramaniam**  
Adjunct Professor  
1 April 2019 - 31 March 2021
- **Dr William Henderson**  
Adjunct Professor  
1 December 2018 - 31 December 2020

# Investing in The Future

## Sunway Campus Library

The Sunway Campus Library was rated number 1 in Asia under the physical library category of the iGraduate Barometer Survey in 2018, which was a truly remarkable feat. Not resting on its laurels, in 2019, the Library, continued to work hard to transform itself into a truly digital library by providing its users easier remote access to more resources. The Library continued to provide a wide range of services and made some improvements based on its Customer Satisfaction Survey, which included the following:



- Expanding the Silent Zone and adding Six Group Project Pods;
- Providing additional study space from 6.00 pm to 10.00 pm during weekends;
- Adopting the "Facial Recognition" technology for its security system in line with IR 4.0;

A total of 181 information skills workshops were held for a total of 3,962 students to familiarise themselves with finding library resources.

The Library also subscribed to eight new e-databases, including Bloomsbury popular music, Drama online, Films on demand, Lexis advance Malaysia, MathSciNet, Proquest One Academic package, UNWTO eLibrary and Vault.

The Library was successful in passing its SIRIM Surveillance Audit for ISO9001:2015 in April 2019.







## Facilities

The University's expansion plans continued to take centre stage in 2019 with a prominently located careers hub erected right at the foyer, for employers to meet and mingle with students. A number of renovations also took place in and around the campus to ensure facilities were fit-for-purpose; these include the computing labs, the graphene and advanced 2D Material Research Group, the Fabrication Lab and Fashion Studio. Also, in 2019, a new postgraduate working space was fit out.



Another major renovation that took place was the CLIO Exhibition Centre which is to be used to house large examinations starting from 2020. The University also acquired two satellite learning spaces to cater for the expansion in Art and Design and for the development of the Engineering programme.



# Campus Sustainability

In 2019 the "Campus with a Conscience" theme was introduced to ensure all University activities and initiatives reflected the essence of the sustainable development goals in more ways than one.

The year started off with the "ThinkB4Print" Campaign 2019 roadmap organised by the IT Services Department to create awareness and to encourage all Sunway staff and students on campus on the need to save paper and the environment, as paper production has a direct correlation with deforestation. The 5-month long campaign looked at providing printing guides using Augmented Reality "AR", printing tips and providing alternative usage to paper such as using e-form and cloud storage.



Sunway iLabs organised "The Make It Challenge", an annual hackathon where students are tasked to develop solutions to address one of the United Nations Sustainable Development Goals (SDGs). Students were selected based on their video submissions. The theme for 2019 was goal number 12: Responsible Consumption and Production.



In partnership with the United Nations Technology and Innovations Lab (UNTIL), Sunway iLabs organised a "Reboot the Earth" hackathon in August, to develop solutions addressing the climate crisis. "Reboot the Earth" was planned as a social coding event to bring budding computer programmers, scientists and interested parties together under the auspices of the United Nations, to improve upon or to build new software programmes focusing on climate action.

Other initiatives by the Facilities Department included a creation of a butterfly garden and vertical planting to further green the campus and create a healthy eco-system. Aside from that, clothing recycling bins were placed at strategic locations around campus to promote responsible disposal of re-usable clothing items. The campus community was encouraged to deposit used clothing, footwear, bags and other fabrics suitable for re-using or re-cycling.





# Prizes, Awards and Achievements



**Caroline Yap Yu Li** from the Business School, received the Award for Excellence in Teaching in 2019.



**Professor Mohammad Khalid and Dr Abdul Khaliq Rasheed** received the Gold Medal at the 30<sup>th</sup> International Invention, Innovation and Technology Exhibition (ITEX) 2019.

**Professor Mohamed Kheireddine Aroua** and **Professor Saidur Rahman** received the coveted recognition as 2019 Highly Cited Researchers in the field of Engineering. The Clarivate Analytics list of Highly Cited Researchers recognises researchers with exceptional performance demonstrated by production of multiple highly cited papers that ranked in the top 1% by citations for field and year in Web of Science.



The **Sunway University Cheerleading team**, representing Malaysia, emerged as Champions at the 2<sup>nd</sup> Asian University Cheerleading Championship in South Korea.



BSc (Hons) Culinary Management student, **Syabella Sinatra**, who hails from Indonesia, won the "Most Outstanding Young Pastry Chef" Award at the Selangor International Culinary Festival 2019. Syabella also bagged gold in the categories of Plated Dessert, and Entremet.



In an effort by the Ministry of Education to recognise and reward student athletes who demonstrated excellence in the ASEAN University Games 2018, incentives were awarded to Sunway University students at a Higher Learning Institutions Sports Excellence 2019 awards ceremony.



At the 2019 Design Workshop organised and hosted by Tatung University, Taiwan, students from the BSc (Hons) Design Communication (**Jane Law Jing Man, Ong Wei Pheng**) and BSc (Hons) Interior Architecture (**Er Wei Siang**) were awarded the Best Design Team.



At the 2019 Risk Intelligence Challenge (RIC), organised by Deloitte Malaysia, BSc (Hons) Actuarial Studies students, **Sun Wai Yin** and **Wong Joo Ann** took the 2<sup>nd</sup> runner-up title.



**Amyrul Fahmi**, BSc (Hons) Digital Film Production student, won awards for two films he directed. 'Day of a Doctor' won the Best Student Documentary at the Freedom Film Festival 2019 Kuala Lumpur; and 'A Love Story' won the Best Short Film, at the 15<sup>th</sup> Mini Film Festival organised by Universiti Malaysia Sarawak.



**Lee Kar Hoe** and **Lim Ying Sing**, both BSc (Hons) Actuarial Studies students took the 1<sup>st</sup> runner up title at the 2018/2019 Chartered Financial Analyst (CFA) Institute Research Challenge.



Four students from the Business School emerged as the National Champion at the Interschool Share Trading Competition 2019 and took home the grand prize of RM30,000. The team led by **Lee Chi Wing** (BSc (Hons) Financial Analysis) comprised three other members – **San Jun Kit** (BSc (Hons) Financial Economics); **Tan Guan Yi** (BSc (Hons) Financial Analysis) and **Yong Yoon Voon** (Diploma in Business Administration).



American Degree Transfer Programme student, **Sin Li Jane**, topped the women's category of the Asian Ranking 2019 by the Asian Bowling Federation. During the year, she clinched several top spots in bowling events around the world, namely the Women trios gold medal at the Asian Bowling Championships 2019 in Kuwait; Champion at the European Bowling Tour Masters Women in Madrid and the Open Division Masters Title at the Sarawak International Open Bowling Championship 2019.



BSc (Hons) Accounting and Finance final year student, **Mike Ng Yee Yang** won the title "EY Young Tax Professional of the year 2019". He will represent Malaysia at the global finals in The Netherlands.



**Professor Chef Patrick Siau**, coached the Malaysia Pastry Team leading them to victory at the World Pastry Cup (Coupe du monde de la patisserie) 2019, a biennial contest which takes place in Lyon, France. The World Pastry Cup Champions - (L-R) **Chef Tan Wei Loon, Professor Chef Patrick Siau**, Team Manager **Queeny Cheong, Chef Otto Tay** and **Chef Loi Ming Ai**.



The Vice-Chancellor Research Awards 2019 recipients were **Professor Saidur Rahman** (second from left) who received the Award for Achievement in Research; **Dr Ayaz Anwar** (third from left) and **Dr Hassanudin Mohd Thas Thaker**, (second from right), who both received the Award for Achievement in Research for Early Career Researcher; and **Dr Yong Min Hooi** (third from right), who received a Special Research Award for outstanding achievement in 2019.



**Sin Li Jane** (right) also won a silver medal in Bowling - Team of 4 and a bronze medal in Bowling - women's doubles event at the SEA Games 2019.



BSc (Hons) Communication student, **Tan Ing Yueh** (left) brought home the silver and bronze medals in the Gymnastic artistic (Vault) event and Individual All Around categories, from the SEA Games 2019.



Students from the School of Hospitality, Sunway University young chefs team comprising **Alicia Tay Xin Jie, Amanda Cheah Pui Mun**, and **Tsen Jun Yan**, led by Chef Lee Han Ying emerged as the champions in the Potatoes USA - Malaysia Junior Chefs Challenge 2019.





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