

Annual Review **2016**





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Professor Graeme Wilkinson
Vice-Chancellor

Vice-Chancellor's Introduction

It gives me great pleasure to introduce this latest edition of the Annual Review of the activities of Sunway University covering 2016.

I am delighted to say that the University continued its rapid progress during the year, passing major new milestones and achieving even greater international recognition. The total number of enrolled students passed the level of 6000 for the first time. We continued to excel in the i-Graduate International Student Barometer survey, by being rated by our students not only the top in Asia for employability but also, for the first time, top in Asia for the quality of our lectures and good teachers. Such outstandingly high student opinion confirms the absolute quality and dedication of our academic staff.

Among many highlights of the year, two stand out in particular. In March, the University hosted a major international symposium on the potential of precision medicine, with keynote participants from the universities of Oxford, Cambridge, Harvard and Columbia. In December, the University launched the Jeffrey Sachs Center on Sustainable Development, which is chaired by Professor Jeffrey Sachs of Columbia University, one of the World's most distinguished economists. This centre will enable Sunway academics to lead the way in teaching and researching the challenges of sustainable development. We were delighted to have the centre launched by the honourable Prime Minister of Malaysia.

Such developments prove that Sunway University, whilst relatively young, is aiming for global excellence, and is in many respects, already achieving it.

The Year in Review

It is always difficult for any organisation as complex as a university to describe an entire year of its existence in a few pages. It is indeed particularly difficult to pick out the noteworthy events and activities when so much excellent work has been taking place on a day to day basis with significant achievements by so many people. In that regard, what follows is necessarily selective and merely gives a flavour of some of the highlights of the year, which indicate the kind of university we are becoming, and of the scale of our ambitions.

Our over-arching vision for Sunway University is to become a World class university. In that regard a key focus in 2016 was to develop World class research teams and to engage effectively with some of the World's leading academics and leading universities.

At the end of February, the University underwent a major quality review by Lancaster University, UK, which has been our key partner for 10 years in delivering dual degrees. Lancaster itself has continued to excel as an international institution being rated in the top 10 of universities in the UK. The in-depth review

looked at the quality of our operations and academic delivery. The outcome was very favourable with Lancaster particularly commending Sunway on strong growth, outstanding facilities, excellent student support, peer led initiatives such as peer counselling, internship provision and other employability support. During 2016 approximately 54% of our students were registered for the Lancaster dual awards. This has become one of the primary attractions of a Sunway education.

In March, the University co-organised and hosted an International Symposium on Precision Medicine which was specifically designed to bring outstanding biomedical researchers to Malaysia from around the World to discuss the potential of precision medicine in the Southeast Asian context, and to consider the possible development of individually targeted therapies to combat the diseases that are becoming increasingly prevalent in this part of the World. This unique event featured only keynote speakers, who are all internationally renowned figures in their own right, coming from Harvard, Oxford, Cambridge, Columbia, Monash, the Chinese University of Hong Kong, and the J Craig Venter Institute, California.

 <p>Prof Patrick Maxwell Regius Professor of Physic and Head of the School of Clinical Medicine, University of Cambridge <i>'Renal Disease in the Precision Medicine Era'</i></p>	 <p>Prof John Todd FRS Jeffrey Cheah Professorial Fellow, Gonville & Caius College and Professor of Medical Genetics, University of Cambridge <i>'Towards Precision Medicine in the Autoimmune Disease Type 1 Diabetes'</i></p>	 <p>Prof Khaw Kay-Te, CBE Jeffrey Cheah Professorial Fellow, Gonville & Caius College; Professor of Clinical Gerontology, University of Cambridge <i>'Precision Medicine: A Population Perspective'</i></p>	 <p>Prof William James Jeffrey Cheah Professorial Fellow, Brasenose College and Professor of Virology, University of Oxford <i>'The Stem Cell Editing Revolution: From Population Studies of Immunodeficiency and Neurodegeneration to Precision Intervention, Using Induced Pluripotency and Crispr/Cas9 Methods'</i></p>	 <p>Prof Gillies McKenna Head of the Department of Oncology; Director, Oxford Institute for Radiation Oncology, University of Oxford <i>'Personalised Healthcare and Precision Treatment'</i></p>	
 <p>Dr Mark Boguski Chief Medical Officer, Precision Medicine Network; Faculty Member, Harvard Medical School <i>'Precision Diagnosis for Precision Medicine: Case Studies in Knowledge Visualization and Decision Support'</i></p>	 <p>Prof David Goldstein Professor of Genetics and Genomic Medicine, Columbia University, New York <i>'Toward Precision Medicine in Neurological Disease'</i></p>	 <p>Prof Nicholas Schork Professor and Director, Human Biology, J. Craig Venter Institute (JCVI) <i>'Enabling, Implementing & Vetting Personalized Medicine: Issues and Strategies'</i></p>	 <p>Prof Dennis Lo Yuk-Ming FRS Director of the Li Ka Shing Institute of Health Sciences and Professor of Chemical Pathology, Chinese University of Hong Kong <i>'Non-Invasive Prenatal Testing: From Dream to Reality'</i></p>	 <p>Prof Mark McCarthy Robert Turner Professor of Diabetes Medicine; University of Oxford <i>'From p-values to Proteins: Biological Insights and Translational Opportunities from Genetics and Genomics of Type 2 Diabetes'</i></p>	 <p>Prof Dato' Dr Khalid Bin Abdul Kadir Professor of Medicine, Jeffrey Cheah School of Medicine and Health Sciences, Monash University Malaysia (Panellist)</p>

Distinguished Speakers at The International Symposium on Precision Medicine

The University was also delighted to host a Festival of Learning, dedicated to education and research related to the hospitality industries, in conjunction with Bournemouth University, one of the UK's leading institutions in the field of hospitality and tourism. This enabled academics and researchers from both institutions to share their perspectives on the development of the global hospitality industry and its education and training needs.



Participants at the Festival of Learning, June 2016, with the Vice-Chancellor of Bournemouth University, Professor John Vinney (bottom row, on the left) and Vice-Chancellor of Sunway University, Professor Graeme Wilkinson (bottom row, second from left)

Another key event in 2016 was the Ministry of Higher Education's "Soaring Upwards" roadshow which was a celebration of the successes of the higher education sector in Malaysia overall. Sunway University was one of a few institutions nationally chosen to host the event, which was led by the YB Minister for Higher Education, Dato' Seri Idris Jusoh. It took place in November, with live-streaming on the web. A combination of talk show and celebration for students from Sunway and other higher learning institutions, the event included distinguished VIPs such as the British High Commissioner, Her Excellency Vicki Treadell, Dr Abhimanyu Veerakumarasivam, UPM Geneticist and World Champion Science Communicator, Dzameer Dzulkifli, Co-Founder and MD of Teach for Malaysia, and Joel Neoh, entrepreneur and founder of Groupon Malaysia.



The Ministry of Higher Education "Soaring Upwards" Event at the Sunway Campus, November 2016. The Vice-Chancellor is pictured on stage with the Minister, YB Dato' Seri Idris Jusoh

Another very important event that took place in December was the Inaugural Conference and Launch Event for the Jeffrey Sachs Center on Sustainable Development. This new centre, chaired by Professor Jeffrey Sachs of Columbia University (and named after him), was established through a philanthropic donation by the Sunway University Chancellor, Tan Sri Dato' Seri Dr Jeffrey Cheah AO. Professor Sachs has been the key advisor to the United Nations Secretary-General on the Millennium Development Goals and subsequently the 17 Sustainable Development Goals adopted by the UN in 2015. Aiming to lead the way in research and training on sustainable development for Southeast Asia, this new centre will build on the work of Professor Sachs and his colleagues at Columbia and within the United Nations Sustainable Development Solutions Network (SDSN). The launch event was officiated by YAB The Prime Minister, Dato' Sri Najib Abdul Razak.



Launch of the Jeffrey Sachs Center on Sustainable Development, December 2016

The University continued to receive accolades for its excellent performance during 2016. We received very good news from the i-Graduate international student barometer survey which took place in the latter part of 2015. The results received early in 2016 showed that, for the second consecutive year, students rated the University as the best in Asia for "employability". In addition, for the first time the University was rated as the best university in Asia for teaching with the no.1 ranking for the subsidiary categories of "quality lectures" and "good teachers". Such excellent student opinion was also backed up by the Trusted Brand Gold Award from The Readers Digest based on consumer opinion, which confirms the overall high regard for the university's quality and brand.

It is also pleasing to report that the University continued to grow not only in terms of quality and reputation, but also in terms of size. The total number of enrolled students passed the level of 6,000 by the third quarter with an 18.5% overall annual growth in size. The growth partly reflected the continual roll-out of new programmes with four new undergraduate degrees and one postgraduate degree launched during the year (BSc (Hons) Information Systems (Business Analytics); BSc (Hons) Conventions and Events Management; BA (Hons) Contemporary Music (Audio Technology); BA (Hons) Digital Film Production; and Doctor of Philosophy in Biology).

As the University grew throughout 2016, the academic staff base grew significantly with an increasing number of new staff joining from overseas and with outstanding research reputations. For the first time, the proportion of international academic staff at the most senior levels (heads of department and centres, deans, professors etc.) exceeded 50% of total such staff. This both confirmed the University's increasing attractiveness to international academics and indicated the growing international culture of the University, as befits an institution with a World class ambition. Amongst the new senior recruits were two highly cited professors who are establishing major new research centres. These are Professor Edward Tiekink and Professor Saidur Rahman. Professor Tiekink is the Director of the Research Centre for Crystalline Materials while Professor Saidur will establish a Research Centre for Nano-Materials and Energy in early 2017. Highly experienced new deans were also appointed for the Faculty of Arts (Professor Harold Thwaites) and for the Faculty of Science and Technology (Professor Paul Hoskin).

University Governance

BOARD OF DIRECTORS

Tan Sri Dato[™] Seri Dr Jeffrey Cheah Fook Ling, AO

Tan Sri Dato[™] (Dr) Ramon V. Navaratnam

Tan Sri Dato[™] Dr Lin See Yan

Tan Sri Datuk Seri Razman M. Hashim

Dato[™] Chew Chee Kin

Dato[™] Dr Goh Cheng Teik

Dr Lee Weng Keng

Dr Elizabeth Lee Fuh Yen

Professor Graeme Wilkinson

Professor Jarlath Ronayne

Ms Sarena Cheah Yeap Tih

(Alternate Director to Tan Sri Dato[™] Seri Dr Jeffrey Cheah Fook Ling, AO)

Professor Tan Sri Dr Ghauth Jasmon

Professor Dato[™] Dr Woo Wing Thye

ACADEMIC SENATE

Professor Graeme Wilkinson (Chair)

Vice-Chancellor

Professor Pua Eng Chong

Deputy Vice-Chancellor

Professor Peter Heard

Provost

Dr Khatijah Khalid (Secretary)

Group Registrar

Professor Jarlath Ronayne

Tan Sri Jeffrey Cheah Distinguished Professor

Professor Poh Chit Laa

Distinguished Professor and Head,
Research Centre for Biomedical Sciences

Professor Dato[™] Dr Woo Wing Thye

President, Jeffrey Cheah Institute on Southeast Asia

Professor Dr Peh Suat Cheng

Special Adviser on Life Sciences Translational
Research Development & Research Professor
cum Professor of Pathology and Director, Sunway
Institute for Healthcare Development

Professor Leong Choon Heng

Deputy Director, Jeffrey Sachs Center on
Sustainable Development

Professor Stephen Hall

Head, Centre for English Language Studies

Professor Glenda Crosling

Dean, Academic Enhancement

Professor Yeah Kim Leng

Senior Fellow, Jeffrey Sachs Center on Sustainable
Development

Ms Siti Fariza Mohd Dahlan

Director, University Services

Ms Wong Sook Jean

Chief Librarian

Ms Izah Isa

Head, Academic Policy and Quality Assurance

Sunway University Business School

Professor Steve Williams

Dean

Professor Wong Koi Nyen

Associate Dean (Academic)

Associate Professor Dr Chang Chee Fei

Head, Department of Accounting

Professor Hwang Ha Jin

Head, Department of Business Analytics

Professor Mohamed Ariff Syed Mohamed

Head, Department of Economics and Finance

Associate Professor Dr Yuka Fujimoto

Head, Department of Management

Professor Sanjaya Singh Gaur

Head, Department of Marketing

Professor Ho Chee Kit

Head, Centre for Actuarial Studies, Applied Finance
and Statistics

Mr Paul Linus Andrews

Head, Centre for Commercial Law and Justice

Ms Anisha Chai Mee Fong

Head, Centre for Tourism, Hospitality and Culinary
Management

Associate Professor Dr Foo Yin Fah

Director, Sunway Institute for Social Entrepreneurship

Professor Michael Philip Furmston

Professor

Faculty of Arts

Professor Harold Thwaites

Dean

Mr Augustine Wong Chung Howe

Head, Department of Art and Design

Dr Chan Nee Nee

Head, Department of Communication and Liberal Arts

Faculty of Science and Technology

Professor Paul Hoskin

Dean

Professor Nigel Marsh

Associate Dean (Research)

Associate Professor Dr Lau Sian Lun

Associate Dean and Head, Department of Computing and Information Systems

Professor Hew Gill

Head, Department of Psychology

Professor Naveed Ahmed Khan

Distinguished Professor and Head, Department of Biological Sciences

Ms Lu Poh Lian

Head, Department of Nursing

Professor Lim Tong Ming

Head, Centre for Innovation and Industrial Linkage

Professor Lee Chien Sing

Professor

Professor Saidur Rahman

Distinguished Research Professor

Professor Zaharin Yusoff

Professor

Professor Edward Tiekink

Distinguished Professor and Head, Research Centre for Crystalline Materials

Centre for American Education

Dr Sim Tze Ying

Head

Appointed by the Board

Dr Elizabeth Lee Fuh Yen

Senior Executive Director, Sunway Education Group

Elected Members

Ms Yong Yoke Leng

Postgraduate Student Representative

Ms Amelia Goh

Undergraduate Student Representative

External and Invited Members

Professor Steve Bradley

Pro Vice-Chancellor International, Lancaster University

Dr Thomas Thornborrow

Representative for Pro Vice-Chancellor International, Lancaster University

UNIVERSITY MANAGEMENT COMMITTEE

Professor Graeme Wilkinson (Chair)

Vice-Chancellor

Dr Elizabeth Lee Fuh Yen (Alternate Chair)

Senior Executive Director

Professor Pua Eng Chong

Deputy Vice-Chancellor

Professor Peter Heard

Provost

Professor Harold Thwaites

Dean, Faculty of Arts

Professor Paul Hoskin

Dean, Faculty of Science and Technology

Professor Steve Williams

Dean, Sunway University Business School

Dr Khatijah Khalid

Group Registrar

Mr Ng Kok Cheng

Chief Financial Officer

Ms Betty Lai

Chief Resources Officer

Ms Wong Lei Lei

Director, Marketing

Ms Lim Shui Chin

Director, International Office and Special Projects

Mr Tony Lee

Director, IT Services

Ms Lee Siok Ping

Director, Student Services

Mr Patrick Joseph McVeigh

Director, Branding & Corporate Communications

Ms Jerrine Koay

Director, Public Relations

Ms Siti Fariza Mohd Dahlan

Director, University Services

Ms Preeti Nair

Head, Planning & Corporate Development

The Student Council



The Sunway University Student Council is the student governing body that represents the entire student community of Sunway University. The Council holds office for a term of one year through campus elections. The Council serves as a link between the student body and management, ensuring that students' voices are heard and interests are considered.

The Student Council participates in academic governance of the University through membership of the Academic Senate, University Teaching and Learning Committee and the University Higher Degrees Committee. The Vice-Chancellor meets the Student Council thrice annually, where issues relating to student welfare are discussed.

In 2016, the Student Council championed new initiatives to create a greater impact and foster the best campus experience possible for the student community. "Freshies Night" and "Lumière Fashion Night" were two of the large events jointly organised with Sunway College Student Council. Besides that, national identity-based projects such as the Malaysia Day Celebrations and Harmony Dialogue were also organised in collaboration with other Student Leadership Bodies such as "Sekretariat Rukun Negara" in fostering and cultivating the spirit of unity and inclusivity among students.

Throughout the year of 2016, more than 20 projects or joint-initiatives were carried out. These include the Study Relief Project, Malaysia Day 2016 Celebrations, Interfaith Dialogue, Orientation Weeks, Orphanage Visit, Parliament Visit, Teacher Appreciation Week, Broga Hill field trip, Clubs and Societies Appreciation Ceremony, Team Building Activities and Talent Time to name a few.

L – R: Wong Jian Xiang, Chan Bowie, Jannice Tan, Raymond Aw, Amelia Goh, Mohd Rafiq Mohamad Mazlan (staff advisor), Natasha Ting, Teh Kean Sing (staff advisor), Oladimeji A. Isaac, Raymond Ching, Tan Xiao Yu, Raj Kiran Kaur.

Academic Developments

QUALITY ASSURANCE

The University has enjoyed a productive year with further development and offering of several new academic programmes, keeping in line with the University's Strategic Plan (2014-2019) to deliver elite education and employability. With several academic programmes being launched this year and several others in the pipeline, the University's programme portfolio has expanded and grown in strength. Academic programmes introduced in 2016 were BSc (Hons) in Conventions and Events Management, BA (Hons) in Digital Film Production, BA (Hons) in Contemporary Music (Audio Technology), BSc (Hons) Information Systems (Business Analytics) and Doctor of Philosophy in Biology.

This year the University undertook a review of its academic regulations, policies and procedures. The academic regulations were revised to combine the undergraduate and postgraduate academic regulations as well as to make several updates and enhancements to the academic standards and regulations thereby creating a comprehensive Sunway University Academic Regulation applicable to all Sunway University's taught and research students which allows for better alignment of the University's regulatory framework. Endeavours to enhance the University's Academic Quality Management System (AQMS) was undertaken through the review and development of the University's academic policies and procedures and its Academic Quality Manual in order to provide a coherent and reliable operational framework that enables the highest possible quality of educational activities (teaching and learning).

As part of the University's commitment in ensuring and improving its standards and quality for higher education provision, the University decided to embark on the ISO 9001:2015 certification journey. The ISO 9001 benchmark sets standards for how institutions should streamline and manage its educational activities efficiently as well as measuring how it is meeting the needs and expectations of its students and other stakeholders. Sunway University's emphasis has always been on delivering high quality service and offering quality academic programmes. Obtaining ISO certification will be a major milestone that would allow Sunway University to

become part of the global elite universities with international standards.

Programme Monitoring and Review

Programme monitoring and review is fundamental to the University's quality assurance and enhancement system, and reflects the contribution which all academic staff make to the assurance and improvement of the student learning experience and the maintenance of standards. At Sunway University, the process of monitoring and review comprises of Annual Teaching Review (ATR), Periodic Quality Review (PQR) and Internal Quality Audit (IQA).

The ATR is a reflective self-review by the Departments responsible for the delivery of programmes as a means to assure the quality of provision, the maintenance of standards and to promote improvement by identifying actions, reflecting on actions previously taken, and identifying and sharing good practice. In 2016, five postgraduate programmes and 16 undergraduate programmes completed the ATR process.

PQR is a process which occurs every four years for all programmes. The purpose of the review is to ensure that academic provision is subject to effective scrutiny and self-reflection by departments with emphasis on continuous enhancement of the quality and standards. PQR was conducted for BSc (Hons) in Accounting and Finance this year, and it was concluded that the programme has upheld the quality of its provision and continued to meet the standards set by external regulatory and professional bodies such as the Malaysian Qualifications Agency (MQA) and the Malaysian Institute of Accountants respectively.

In addition to the annual and periodic review, the University also engaged in IQA of four of its undergraduate programmes in preparation for full programme accreditation by the MQA. The IQA process reviews that the programmes are in compliance and standards are maintained, and that the quality management system of the academic provision is effective. IQA panel provided the Department with commendation for good practice and areas for improvement, which are valuable and instrumental in acquiring full accreditation status for the programme.

ACADEMIC ENHANCEMENT

In line with the Sunway University Strategic Plan, the Academic Enhancement Division (AED) contributes to upholding and raising Sunway University's reputation in quality education. It does so by engaging with and supporting the University's academic community in enhancing the quality of teaching, learning and student assessment, and in the evaluation of academic programmes. In 2016, AED operated through the three major themes of (1) Teaching and Learning Development, (2) Curriculum Development, and (3) the Centre for Higher Education Research (CHER).

Teaching and Learning Development

AED has addressed the development of teaching and learning approaches at the University through a range of programmes. These include the bi-annual, three-day New Staff Induction Programme attended by academic staff to develop their understanding and skills of best teaching and learning practices as appropriate to the University. The implementation of the Educational Development Programme in conjunction with Lancaster University in February 2016 enabled Sunway staff to visit LU, participate in an educational enhancement programme, and engage with their departmental colleagues in LU. AED, through facilitating and co-teaching with LU staff the Postgraduate Certificate in Academic Practice (an LU accredited programme), has seen an increasing number of University staff develop their teaching and learning approaches. In 2016, 12 more academic staff enrolled onto the programme, increasing the total number of staff undertaking the programme at various stages to 28. In addition, four staff completed Module one, 14 completed Module two and five staff received their full Postgraduate Certificate in Academic Practice. The Professional Development Programme, staff seminars and sharing sessions convened by AED continued in 2016 to attract many University staff, providing a rich schedule of seminars on current issues and practises in higher education

and at the University. The Peer Assisted Learning Programme enabled increasing numbers of students to receive support in academic learning from their senior faculty colleagues. AED provided leadership training for the seniors, including certification for the 'Dialogue in the Dark' diversity awareness programme. Regarding the development of informal learning spaces and e-learning at the University, AED has been instrumental in placing relevant resources in tutorial rooms to facilitate student-centred and problem-based learning.

Curriculum Development

In 2016 through input at policy and process levels, AED continued to participate in curriculum development and enhancement at the University. This includes input into the further development of new programme approval processes to address changing Malaysian government requirements, and academic programme review processes through which educational enhancements are channelled. Through active participation in external programme reviews, AED played a pivotal role in evaluation of programmes towards enhancement and ensuring that educational provisions continue to remain current and relevant. Chairing the University ATR has facilitated close attention on all academic programmes, ensuring University strategic educational directions are addressed and best practice teaching and learning approaches are in place. The implementation of the Student Evaluation of Subjects and Teaching was co-ordinated across the faculties of the University by AED staff again in 2016. The introduction of the survey online in 2016 has occurred, following a piloting of the online survey in 2015. The mainstreaming across all faculties of the opportunity to use the online survey has required AED liaison with ITS at the University, and with providing training for relevant faculty staff in the implementation of the online survey. The stage is now set for increased analysis of the survey outcomes as a means for AED to focus educational development programmes.

Research

To propel the research agenda of the University, four new research centres were established by the Senate in 2016 to further enhance the University's research strength in niche areas. Two of these were established as independent research centres within the University - Centre for Higher Education Research and Research Centre for Biomedical Sciences, while two others were established within the Faculty - Research Centre for Crystalline Materials at the Faculty of Science and Technology, and The Centre for Research-Creation in Digital Media at the Faculty of Arts.

RESEARCH CENTRES

Centre for Higher Education Research

The Centre for Higher Education Research (CHER) has established a platform at the University for research into educational issues, development and enhancement. An adjunct professor from the United Kingdom with expert knowledge in access and equity issues has been appointed. Honorary researchers from inside and outside the University have also been formalised. A major focus of CHER activities in 2016 was the completion of an Emerald Publishing Company book, entitled 'Current and Emerging Themes in Global Access to Post-secondary Education (GAPS)', to be published early 2017. The book includes contributions from staff of Sunway University and makes a sound contribution to global discussion of the issue.

In its short time of operation, CHER has brought together project teams comprising of staff from across the University and internationally, and secured external funding for projects addressing blended learning and student diversity. Several conference presentations and publications have been achieved by CHER affiliates, including journal articles and book chapters. A national seminar, 'Mobilising Student Diversity to Achieve Academic Excellence', was jointly convened by CHER and the Jeffrey Cheah Institute on Southeast Asia in March 2016, featuring speakers from Sunway University, the Australian National University and others, attracting a large number of participants from the Malaysian academic community. The participation of international presenters has promoted the University on the international stage and led to ongoing discussions of academic collaboration with the Australian National University. Additionally, a delegation from the University of Debrecan in Hungary visited the University in 2016, and it is anticipated that the relationship will be formalised through a memorandum of understanding, further strengthening international academic collaboration in this aspect.

Research Centre for Biomedical Sciences

The Research Centre for Biomedical Sciences (RCBS) was

established to create excellence, innovation and growth in tropical infectious diseases themes that will translate into diagnostics, vaccines and treatment therapies. RCBS works closely with the Faculty of Science and Technology in research supervision of postgraduate students who are enrolled in the MSc in Life Sciences and PhD in Biology.

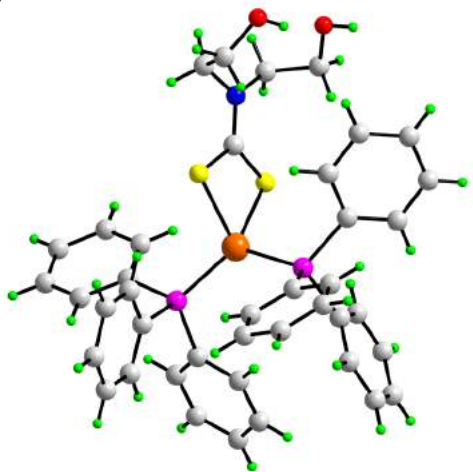
The current strength of the RCBS is in virology research to discover new vaccines and antivirals to prevent virus diseases such as Hand, Foot and Mouth Disease (HFMD) caused by Enterovirus EV-A71 and Dengue caused by the four serotypes of Dengue viruses. Research staff at the RCBS in 2016 have published six internationally-peer reviewed journal papers in ISI-refereed journals, four papers focussing on viruses in journals such as Viruses, PLoS One, Current Pharmaceutical Design, Virology Journal and two papers through collaborations with Department of Biological Sciences staff in the use of human embryonic stem cell for in vitro modelling of Enterovirus 71 infection and therapy and another paper on the characterisation of functional domains of human cancer cells.

Another area of intense research is on the discovery and identification of antiviral peptides against dengue. The antiviral properties of antiviral peptides against dengue will be evaluated in mice in the foreseeable future and if the effective efficacy in the mice model can be confirmed, there is a potential for filing a patent. Previous collaborations with researchers at the University of Malaya have led to the filing of two patents: Malaysia Patent Application No: PI 2013700382 was filed in March 2013 for the invention entitled Inhibition of Enterovirus 71 infection by antisense octaguanidinium dendrimer-conjugated morpholino oligomers. The second patent PI 2014700090 entitled Agents for the treatment of Viral Infections was filed in January 2014.

The Centre's research review paper on "Development of Novel miRNA-based vaccines and antivirals against Enterovirus 71" was selected by the Current Pharmaceutical Design as the Editor's choice of paper to be alerted through EurekAlert.

Research Centre for Crystalline Materials

The Research Centre for Crystalline Materials was established to conduct research into molecular and crystal structures of crystalline materials employing X-ray crystallography, high-level computational chemistry and data mining for the purpose of understanding why molecules crystallise as they do with the long-term goal of using this information to design crystal structures de novo. Considerable progress towards the establishment of laboratories crucial to the Centre were made during 2016 so that now a fully safety-compliant and modern "wet" chemistry laboratory is in place. This laboratory incorporates a dedicated section to house sophisticated instrumentation which will be employed for materials characterisation for the Centre and cognate research at Sunway University. Reflecting our interest in developing novel pharmaceuticals based on metal-based drugs, work continued in collaboration with colleagues in the Department of Biological Sciences.



New chemistry has already been achieved and crystallographic publications have appeared based on chemistry performed in the refurbished laboratory. The first of these described the crystal and solution structures of a copper(I) complex which exhibits interesting anti-bacterial properties along with cytotoxicity against human cancer cell lines.

Centre for Research-Creation in Digital Media

The Centre for Research-Creation in Digital Media (CRCDM) seeks to be a cornerstone for transformative digital, experimental and speculative transdisciplinary practice, transcultural collaboration, metadesign and educational change to advance Sunway University onto the global new media-scape. Since its inception, CRCDM has initiated three international collaborative projects, two national projects, and two exhibitions of digital heritage.

Jointly, with the Faculty of Science and Technology, the Faculty of Arts organised the 22nd International Conference

on Virtual Systems and Multimedia (VSMM) held in October, a first for Malaysia. The conference theme; "Transdisciplinary - Transmedia- Transformations" had a strong focus on research-creation applications for virtual systems, multimedia, digital arts and technology and digital cultural heritage industries, and on the knowledge mobilisation and the practical exhibition of such endeavours. Researchers from the Faculty of Arts presented nine papers. VSMM 2016 showcased speakers from 25 countries, presenting 65 papers in six thematic tracks and included six International Keynote Speakers, five Workshops, and three Exhibitions over the exciting week at Sunway University.

Sunway Institute for Healthcare Development

The Sunway Institute for Healthcare Development (SIHD) was also established in the year within the University to promote the provision of excellent healthcare education and training programmes as well as establishing a translational clinical research, to realise Sunway group's vision, in ensuring that the latest biomedical developments and knowledge are translated into clinical practices. It focuses on healthcare development for the country and also aspires to provide platforms that enhance and enrich the healthcare standards in South East Asia through training and clinical research. One of its flagship programmes is the Harvard Medical School Southeast Asia Healthcare Leadership Program (HMS-SEAL), a one-year certificate programme consisting of three, four-day residential workshops, pre-recorded lectures and interactive webinars focused on relevant and complementary topics. The programme is designed for senior and executive level hospital, primary care, recuperative care, community and other healthcare facility administrators, chiefs of staff, hospital board members, chief nursing officers, department directors and other healthcare professionals with supervisory, management or executive level responsibilities. SIHD and Harvard Medical School, Global Education Office will launch its inaugural Programme in 2017.



RESEARCH GRANTS

External Grants Awarded for 2016

Principal Investigator	Title of Research	Funding Body	Duration	Amount (RM/USD)
Associate Prof Dr Yap Kian Meng	Touch it and Feel It? Modelling of 3D Haptic-Audio Virtual Objects to Counter Internet Browsing Limitations for Visually Impaired Persons	Malaysian Communications and Multimedia Commission	24 months	RM 163,516
Professor Lee Chien Sing	A distributed socio-affective- cognitive gamification model based on cognitive load and motivation theories for the enhancement of engagement among the elderly	MOHE-FRGS	24 months	RM 73,200
Dr Yong Min Hooi	Empathic concern in young infants and older adults	MOHE-FRGS	24 months	RM 61,000
Associate Professor Dr Shyamala Ratnayake	Landscape characteristics and population genetic structure of Malayan Sun Bears Helarctos Malayanus in Malaysia: Testing methodologies for non-invasive genetic sampling and quantifying habitat selection	IBA (International Association for Bear Research & Management)	12 months	USD 5,284
Associate Professor Dr Yap Kian Meng	Receipt Scanning System	SOLIP SYSTEM SDN BHD	6 months	RM 17,142

Internal Research Grants Awarded for 2016

Principal Investigator	Title of Research	Faculty	Amount (RM)
Associate Professor Dr Shyamala Ratnayake	Distribution and phylogeography of invasive apple snails (Pomacea spp.) in Malaysia	FST	74,000
Professor Poh Chit Laa	Development of novel tetravalent synthetic peptide vaccines that could induce strong immune responses and neutralise all four dengue serotypes	RCBS	70,000
Dr Seng Hoi Ling	Study of a series of gold compound as anti-cancer drug resistance inhibitor by targeting thioredoxin redox system	FST	60,000
Associate Professor Dr Yap Kian Meng	Proprioceptive model and algorithm for real-time responding tele-haptic to counter lack of visual aid in multi-robots 3D environment	FST	60,000
Professor Naveed Khan	Targeted photochemotherapy against eye infection due to Acanthamoeba	FST	55,000
Associate Professor Dr Ruqaiyyah Siddiqui	Strategies for improved management of Acanthamoeba keratitis	FST	45,000
Dr Ch'ng Sue Inn	Investigating effectiveness of patch decomposition for age-invariant face recognition	FST	44,000
Professor Sanjaya Singh Gaur	Parental behavior and its influence on children's obesity	SUBS	43,000

Internal Research Grants Awarded for 2016 (continued)

Principal Investigator	Title of Research	Faculty	Amount (RM)
Dr Tommy Tong Yuh Koon	Mapping HIV infected plasmas using HIV-1 native envelope trimers	FST	43,000
Dr Jacty Chew	Multi-drug resistant Klebsiella pneumonia: prevalence and infection control measures in a local medical centre setting	FST	40,000
Dr Koon Vui Yee	Corporate humanistic responsibility scale	SUBS	40,000
Dr Audrey Lim Wei Ling	Human embryonic stem cell-derived neurons as in vitro models for screening of neuroactive compounds from lignosus rhinocerus (cooke) Ryvardeen involved in neuroprotection	FST	32,000
Dr Yow Yoon Yen	Potential of neuritogenesis stimulatory effect of Malaysian algae for the prevention of neurodegenerative diseases	FST	30,000
Professor Lee Chien Sing	Bridging the socio-cognitive-HCI frameworks: A gamified media-model entrepreneurial case study	FST	26,000
Dr Angela Lee Siew Hoong	Affective technology acceptance model on the big data analytics applications acceptance among MSC organisations in Malaysia	FST	22,000
Delas Santano	The Cantonese Pangkor Boatbuilder	FOA	21,000
Professor Edward Tiekink	Rational design of functional multi-component crystals	FST	20,000
Associate Professor Dr Yau Kok Lim	Achieving stability and convergence properties of reinforcement learning applied to trust model in cognitive radio: An analytical study using contraction mapping	FST	18,000
Jeanette Lim Boon Sier	Teachers' and students' perception and use of an ESL outcomes-based assessment system	CELS	16,000
Dr Chandrajit Lahiri	Targeting the molecular basis of bacterial infection	FST	12,000
Associate Professor Dr Yuka Fujimoto	Social entrepreneurship: Implications for inclusive business	SUBS	12,000
Dr Ong Seng Kai	Effect of metal-dithiocarbamate compounds on Acanthamoeba castellanii using an in vitro model of the blood-brain-barrier	FST	9,000
Stella Ong Pooi Keng	An investigation of EP teachers and their management of intercultural communication interactions with students in and outside the international classroom	CELS	8,000
Chan Lay Guat	Tsunami hazard mitigation program: towards social-economic resilience in Langkawi	SUBS	6,400
Dr Alireza Zarei	What are the long-run dynamics of the Malaysian ringgit	SUBS	6,000

FST – Faculty of Science and Technology

FOA – Faculty of Arts

RCBS – Research Centre for Biomedical Sciences

SUBS – Sunway University Business School

CELS – Centre for English Language Studies

Lancaster University Small Grant Scheme

Project Title	Project Leader	Lancaster University collaborators	Lancaster University Department	Amount (GBP)
Harnessing the mutation potential of EV71 virulent proteins: Novel health intervention strategies for hand foot and mouth disease	Dr Chandrajit Lahiri	Dr Derek Gatherer	Division of Biomedical and Life Sciences	15,000
Testing the Spill-over Effects of Psychosocial Safety Climate on Students' Bullying Phenomena using Job Demands-Resources (JD-R) Model	Michelle Lee Chin Chin	Dr Judith Lunn	Department of Psychology	15,000
Sensory perception in Acanthamoeba cyst: molecular mechanisms and electrophysiological properties	Associate Professor Dr Ruqaiyyah Siddiqui	Dr Stephen Roberts	Division of Biomedical and Life Sciences	15,000
Landscape characteristics associated with the population genetic structure of Sun Bears (<i>Helarctos malayanus</i>) in Malaysia: Testing methodologies for non-invasive genetic sampling and quantifying habitat selection	Associate Professor Dr Shyamala Ratnayake	Dr Stuart Sharp	Lancaster Environment Centre	15,000
Determine the weightings for each variable contributing to the overall sentiment value of expression (VoE) in global social products	Associate Professor Dr Teh Phoeey Lee	Dr Paul Rayson; Dr Scott Piao	School of Computing and Communications	15,000
DynaBraille: On-finger Braille Feedback for Handheld Touchscreen Devices	Associate Professor Dr Yap Kian Meng	Dr Abhijit Anil Karnik; Dr Jason Alexander	School of Computing and Communications	15,000
Multiplicative decomposition of aggregate carbon intensity change using input-output analysis: Evidence from the Asia-Pacific and European region	Dr Yasmin Yashodha Narandaran	Dr Marwan Izzeldin	Department of Economics	15,000
Sustaining lifelong learning and transitions through digital change and adaptability	Professor Lim Tong Ming	Professor Don Passey	Department of Educational Research	15,000
Empathic concern in preverbal human infants	Dr Yong Min Hooi	Dr Elena Geangu	Department of Psychology	15,000
Predicting the emotion of a user based on walking patterns	Dr Juan Carlos Quiroz Aguilera	Dr Elena Geangu	Department of Psychology	15,000
Consumption and Loyalty after 40: Effect of Brand Experiences and Image Congruence on Brand Loyalty	Professor Sanjaya Singh Gaur	Dr Hina Khan	Dept of Marketing, LUMS	14,000
Forex Trends Clustering Analysis using Machine Learning	Associate Professor Dr Lee Yun Li	Professor Plamen Angelov	School of Computing and Communications	6,220
Blended Learning at Sunway University and Lancaster University: An overview for teaching and learning enhancement in undergraduate programmes	Dr Angela Lee; Professor Glenda Crosling	Professor Don Passey	Department of Educational Research	5,600
Stories of International Students who are successful in Higher Education: The social, personal-emotional, Academic and Institutional Adjustment/Adaptation of Successful International Students	Dr Ann Rosnida; Professor Glenda Crosling	Dr Ann-Marie Houghton	Department of Educational Research	2,000

Faculty Highlights

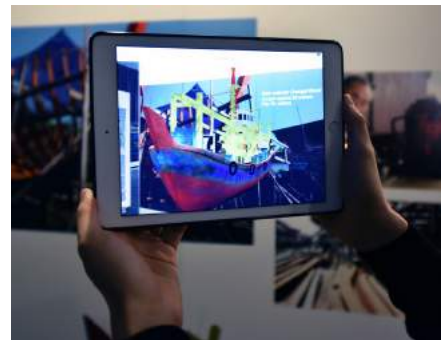
FACULTY OF ARTS

The year 2016 was a busy one for the Faculty of Arts (FOA) as it completed the final phase of re-location into the new Sunway University building - moving the Departments of Art and Design and Performing Arts to join Communication and Liberal Arts on Level 9 comprising a complete suite of new, purpose-designed and fully equipped, studios and teaching facilities. This move was finalised in December 2016 in line with the Faculty's aim to expand as a research-led creative community. Professor Harold Thwaites was appointed Dean of the Faculty as of September, Dr Kenneth Feinstein as Associate Professor in November and Dr Chan Nee Nee joined in December as Department Head for Communication and Liberal Arts.

The Faculty is comprised of three academic departments – the Department of Communication and Liberal Arts, the Department of Art and Design and the Department of Performance and Media – with a total of 36 academic staff and five administrative staff. The Faculty's mission is to be a vibrant research-led arts and creative industries faculty that is unique in Malaysia with leading edge research-creation spanning communication, media, design, architecture, performing arts and digital media. The FOA programmes are distinctive, integrating first-class facilities to build a resource and transdisciplinary approach that is international in its outlook.

FOA launched two new BA Honours programmes; Contemporary Music (Audio Technology) and Digital Film Production enrolling the first cohorts of students in March 2016. The Digital Film Production programme follows the FOA dual degree partnership with Lancaster University.

The Faculty of Arts research-creation agenda continues to expand across a wide range of transdisciplinary fields of enquiry comprising research in: minority languages and cultural studies; media studies; face & identity; sociolinguistics; graphics; multimedia; advertising; social media and discourse analysis. Faculty creative outputs ranged from projects in digital media design, scriptwriting, filmmaking, performance, to cultural heritage and music among others that accelerated international recognition for FOA in 2016.



FACULTY OF SCIENCE AND TECHNOLOGY

The Faculty of Science and Technology (FST) is fast emerging as a leader in teaching and research in the Malaysian private university sector and beyond. Several FST researchers are amongst the most productive and well-renowned (highly cited globally) scientists in the entire South East Asia region and an emerging pool of younger, talented researchers will see FST continue to grow in reputation and strength.

The Faculty offers innovative teaching and learning programmes that produces industry-ready graduates. In 2016, there were four academic departments: Biological Sciences, Computing and Information Systems, Nursing, and Psychology with a combined total of 68 academic staff and 17 administrative staff. Fifty-nine percent (59%) of FST's academic staff hold doctorate-level qualifications and others are presently working towards the award of PhD. The Faculty grew 31% in 2016 as a result of successful student recruitment efforts.

In 2016, the faculty welcomed its new Dean, Professor Paul Hoskin. Also new to the Faculty were Professor Hew Gill, appointed as the Head of Department of Psychology and Professor Saidur Rahman appointed as Distinguished Research Professor of the Faculty. The Faculty launched the BSc (Hons) Information Systems (Business Analytics) in January 2016 and the PhD (Biology) in March 2016.

The Research Centre for Crystalline Materials (RCCM) was established in 2016 under the headship of Professor Edward Tiekink. The vision of the RCCM is to be a highly visible and productive national centre of excellence for crystallographic research in molecular materials that is also internationally recognised as being at the forefront of research in chemical crystallography and crystal engineering.

Relationships with industry in Malaysia and further afield continued to be fostered. For example, a memorandum of understanding was signed in May 2016 between Sunway University and SAS Malaysia. This agreement allows FST students that are pursuing an undergraduate degree in business analytics to also graduate with a joint certificate in Big Data with Advanced Techniques in Data Science. Having a Sunway University, Lancaster University, and SAS industry-recognised qualifications upon graduation represents genuine value for students and for potential employers.

The FST Alumni Dinner 2016 was organised in September. The event was attended by over 40 alumni from Psychology, Computing, Biological Sciences and Nursing. The event was also attended by our final year students who had the opportunity to meet up and interact with the alumni. The alumni shared their experience, encouragement and valuable advice with the students.



SUNWAY UNIVERSITY BUSINESS SCHOOL

Sunway University Business School (SUBS) is the largest faculty at Sunway University consisting of five academic departments (Accounting, Economic and Finance, Management, Marketing and Business Analytics), three centres (Centre for Actuarial Studies, Applied Finance and Statistics, Centre of Commercial Law and Justice, Centre for Tourism, Hospitality and Culinary Management) and one institute (Sunway Institute for Social Entrepreneurship).

In 2016, the Sunway University Business School students accounted for 54.23% of the University's total student population and is growing in popularity. New student intake grew by 17% compared to the previous year. The total student enrolment reached 3206 as at December 2016, an increase of 18.8% compared to 2015.

As part of the effort to expand the portfolio of the Business School programmes, one new programme was launched BSc (Hons) Conventions and Events Management. Two programmes received full accreditation by the Malaysian Qualifications Agency in 2016, namely BSc (Hons) Financial Analysis and BSc (Hons) Financial Economics.

A significant milestone for the Business School in 2016 was the formation of a new Department of Business Analytics. Professor Hwang Ha Jin was appointed to head the department. The Department of Economics and Finance also received a new head, Professor Mohamed Ariff Syed Mohamed who joined SUBS in November 2016. With his vast experience in the financial industry, Professor Ariff is expected to bring the department to greater heights. Professor Wong Koi Nyen who was the Associate Dean for Undergraduate Studies was tasked to oversee the Postgraduate Studies and Research in 2016 hence becoming the Associate Dean for Academic in SUBS.

The 'Back to Business Day' event was held twice in May and September 2016 for some of the SUBS students. It is an effort of getting the industrial experts to connect with the students and share their experiences. The Industry Advisory Board members have provided great support for this event and the school will continue to hold this event in coming years.

Since attaining its eligibility for the Association to Advance Collegiate Schools of Business (AACSB) in November 2015, SUBS has been working diligently in developing the faculty towards achieving the first step in the accreditation process. AACSB is the premier global accreditation body that focuses upon advancing quality education in management. The AACSB mentor's visit to SUBS in March and November also marked as important events that took place in 2016. The mentor's feedback was very positive and provided a foundation for the journey of continuous improvement for the business school.

SUBS Student Concilium have also been actively organising student events. The Run for Unity event held in April 2016 attracted nearly 700 participants. In September 2016, the Concilium organised the Financial Literacy for Youth Seminar in collaboration with the London School of Economics. The seminar benefited almost 200 students. The Concilium also organised a charity carnival called Mesh & Mash in October 2016 with the Selangor Society for the Prevention of Cruelty to Animals (SPCA Selangor) as the beneficiary. This charity carnival has helped to raise the image and reputation of the Business School and Sunway University as a whole to the public through our social events.

Notable in 2016, the Centre for Tourism, Hospitality and Culinary Management launched its first commercial restaurant, Athanor, which also serves as a training ground for senior students who are supervised and managed by a team of award winning CTHCM chefs.

SUBS experienced enormous growth and winnings in 2016 and also with its continued affiliation with AACSB, hiring of high calibre academicians and collaborative relationship with LU, is poised to further establish its position as a leading Business School in the region.



CENTRE FOR AMERICAN EDUCATION

The Centre for American Education (CAE) manages the American Degree Transfer Program (ADTP) within Sunway University. 2016 marked a year of events for the Centre. In January, a Fulbright Professor from Western Michigan University (WMU) participated in programme delivery and several co-curricular activities. For seven weeks, Professor Brian Wilson from WMU's Department of Comparative Religions co-taught the course "Survey of World Religions" with Miss Sunita Arthur Selvaraj. Professor Wilson also served as a panelist at the Martin Luther King Junior celebration; hosted the first ADTP Reading Group event on the book "To Kill a Mockingbird"; and presented a talk on Dr John Harvey Kellogg, the inventor of cornflakes.

The first forum in commemoration of Martin Luther King Junior (MLKJ) Day was held in January, which discussed the topic of "Exploring Civil and Minority Rights." The panelist included the U.S. embassy in Malaysia charge d'affaires Edgard Kagan; a visiting Fulbright Professor from WMU, Professor Brian Wilson; North-South Initiative Executive Director, Adrian Pereira; and Sunway University Business School Law Department Head, Paul Linus. The MLKJ event served as a platform to introduce civil and minority rights issues to the audience, and sought to promote conflict resolution via non-violent alternatives.

2016 saw the end of Tunku Zain Al-'Abidin ibni Tuanku Muhriz's term as the Adjunct Teaching Fellow in the ADTP. He started his term in mid-2014 and has been giving lectures on the subjects of philosophy, politics, sociology and history. His classes were definitely interesting and engaging. Apart from teaching, he was also involved in moderation and assessment of student work.

In October 2016, the Memorandum of Agreement with Western Michigan University's Haworth College of Business (HCoB) was signed. The Advance Standing for Business major (ASBM) allows Business major students to complete subjects equivalent to almost three years of study before transferring to HCoB for their final year. HCoB is AACSB accredited and is ranked in the top 5% of business schools in the United States.

Seventy-five percent (75%) of students who transferred to the United States were admitted into the top 200 U.S. universities. Apart from the U.S., students also transferred to Canada, Australia, New Zealand, United Kingdom, Europe, and Malaysia, which showed that ADTP is no longer a programme that transfers students only to the U.S. but it is a global transfer programme that provides the pathway to many countries.

The Centre prides itself in the close engagement that exists between our faculty and students. In 2016, four CAE lecturers received the Student Appreciation of Teaching Awards, which were recognitions accorded to lecturers who received outstanding student evaluation feedback. Feedback from "Student-Staff Meeting" as well as the comments from alumni testify that the students recognise and appreciate the engagement of staff in imparting knowledge, guiding them, and spurring them onto greater heights.



ADTP Teaching Fellow, Miss Sunita Arthur Selvaraj was selected to represent Malaysia for the Study of the US Institutes for Scholars (SUSI) Programme, a fully subsidised six-week intensive academic programme conducted in America.

CAE continues to bring together the best elements of the American university model: out-of-class learning, discussion-based classes, and a highly interactive environment between students and faculty, placing a special emphasis on critical and creative thinking as well as on autonomous learning.

CENTRE FOR ENGLISH LANGUAGE STUDIES

The Centre for English Language Studies (CELS) provides a language pathway from preparatory stage to graduate education. This begins with the preparatory Intensive English Programme. CELS enables international and Malaysian students to develop English for Specific Academic Purposes skills for study and beyond at pre-University, Diploma and Degree levels with courses tailored for each discipline.

The Centre is also responsible for English language quality assurance and integration with the learner's needs for most courses offered on campus. Successful Public Speaking and Essay Writing Competitions for secondary schools continued in the 14th year of partnership with the Oxford Cambridge Society as community outreach is central to CELS work.

Integrating the Intensive English Programme with community outreach for Japanese students

In June 2016, 22 exchange students from Kansai Gaidai University, Japan, participated in a community project for refugee children at the Mentari Learning Centre as an extension of their 10-week Intensive English Programme. The Learning Centre provides non-formal education to under-privileged refugee children from Myanmar. Team building and skills based activities and games, such as “fukuwarai”, Japanese calligraphy and origami, helped developed educational values and cultural understanding for all involved. This experience enhanced the students’ English language learning through community outreach, an important part of the Sunway Education Group ethos.

Supporting heritage language use through research and publication. CELS organised the Penang launch of the Penang-Hokkien English dictionary together with Peranakan activists and Sunway University Press in July. In 2016, Sunway University Press published the first dictionary of Penang Hokkien, a unique dialect which uses loan words from Malay and English. It was the result of over five years of field research. The Penang Hokkien dictionary is the first of its kind.



Student Experience

The Student Barometer is a global benchmark for student experience administered by i-graduate, enabling tracking and comparison of student satisfaction levels and identifying specific areas of key importance.

The Student Barometer tracked feedback from over 237,586 students from 172 institutions in 18 countries from September to November 2015 and the results were released in the first quarter of 2016. Sunway ranked number one in Asia out of 17 Asian institutions.

Out of the nine institutions surveyed in Malaysia, Sunway achieved outstanding results in Learning, Living and Support.

LEARNING

Under **Learning**, the three main categories assessed were Teaching, Studies and Facilities. In **Teaching**, Sunway was top in Asia for the sub-categories of Quality Lecturers and Good Teachers. In **Studies**, Sunway was also top in Asia for Employability. This is the second consecutive year that Sunway topped the Employability sub-category. As for **Facilities**, Sunway topped in Malaysia for Laboratories, Online Library and Technology.

LIVING

For **Living**, Sunway scored number one in Malaysia for Sports and Social Facilities under the category of Social; as well as number one in Malaysia for Safety, Transport Links Institution, Transport Links under the category of Day-to-Day Life.

SUPPORT

In the area of **Support**, Sunway topped the country for its IT Services.

In Asia, over 45,000 students from six countries participated in the survey.

75 Sunway students visit Lancaster!

As we have done since 2011, Sunway University students participated in a summer cultural exchange programme at Lancaster University. This year, 75 Sunway students travelled to Lancaster to learn more about business, academics, government, community and culture. Besides the opportunity to acquire knowledge in these areas, students gained valuable skills in teamwork and collaboration. Among the activities they engaged in were visits to local businesses, a sports challenge day, a visit to the farm, interacting with their academic departments and debating climate change issues.

They had the opportunity to interact and build networks with students from UK, China, Ghana, Pakistan and India, thus developing their cross-cultural communication skills. In addition to being in Lancaster, the participants also travelled to London, Liverpool, Manchester, and Wales.



A group photo after the Closing Ceremony on the Lancaster University campus

Prizes, Awards and Achievements

Student and Staff Awards

Sunway University students and staff received a number of prizes and awards in 2016.

FACULTY OF ARTS

Students

Alesya Prikhodko and Seifullina Nuriya

1st prize ART FOR ART'S SAKE FURNITURE,
"2 PULUH:5" MIID Dulux Interior Design Students'
Saturday 2016

Law Jo Yin; Chong Siong Loong;**Tan Wenyi and Leong Xin Yu**

2nd prize DULUX TIMBER PALLET CHALLENGE,
"2 PULUH:5" MIID Dulux Interior Design Students'
Saturday 2016

Saili Bisa

2nd prize GAME 1 – Live Competition EMOJINARY,
"2 PULUH:5" MIID Dulux Interior Design Students'
Saturday 2016

Suria Kumar

1st Place Academic category - The Annual Selection
of Chinese Character (Hanzi) – Red Packet (AngPow)
Design Pitching Competition 2016

Leonard Leong Sud Yen

2nd Place Academic category - The Annual
Selection of Chinese Character (Hanzi) – Red Packet
(AngPow) Design Pitching Competition 2016

Khoo Xu Xin

3rd Place Academic category - The Annual
Selection of Chinese Character (Hanzi) – Red Packet
(AngPow) Design Pitching Competition 2016

Chua Jin Xin

3rd place and Online Most Voting, Academic
category - The Annual Selection of Chinese
Character (Hanzi) – Red Packet (AngPow) Design
Pitching Competition 2016

Ng Hui Shuang

Top 20 finalists - VISION PETRON National Student
Art Competition 2016 of Art Painting Category

Staff

Helen Guek Yee Mei (Lecturer – Diploma in Fine Art)

Solo Exhibition themed Being & Belonging, 2016 at
Oriental Art & Cultural Association,
Kuala Lumpur

Centre for Research-Creation in Digital Media

Exhibition entitled The Hainan Boatbuilder of Pangkor
Island - Transmedia Exhibition, 2016 at Sunway
University Gallery

Centre for Research-Creation in Digital Media

Documentary Film - The Hainan Boatbuilder of
Pangkor Island
Nominated for Best Documentary at the Canada-
China International Film Festival (CCIFF), 2016

FACULTY OF SCIENCE AND TECHNOLOGY

Associate Professor Dr Lau Sian Lun, co-authored with Cornelius Toh [MSc in Computer Science (By Research), student], and Shaikh Yasir Saleem [MSc in Computer Science (By Research), graduate]
Best Paper, 6th International Conference on Cloud System and Big Data Engineering, 2016



Chan Jing Hong [Diploma in Information Technology, student]
Apple Worldwide Developers Conference (WWDC) Scholarship 2016



Associate Professor Dr Yap Kian Meng, Crankson Kwesi Mensa & Tan Zhi Zhong [MSc in Computer Science (By Research), student], Eu Kok Seng [PhD in Computing, student]
Silver Medal in I.C.T and Multimedia, ITEX 2016



Associate Professor Dr Yap Kian Meng; Sin Jun Yee & Teo Yi Lin [BSc (Hons) in Computer Science, student], Chow Loh Fern [BSc (Hons) Information Technology, student], Ronald Chia Yong Jing [BSc (Hons) in Computer Science, graduate], Low Jun Ming [Diploma in Information Technology, student], Jimmy Ng Mun Long, Chan Kok Who
Silver Medal in I.C.T and Multimedia, ITEX 2016

Syed Aqeel Raza [PhD in Computing, student], Mariam Syed [MSc in Computer Science (By Research), student], Ling Mee Hong [PhD in Computing, student], Dharmidran Anantharsekaran, Associate Professor Dr Yau Kok Lim, and collaborators from MIMOS Berhad, Dr Hafizal Mohamad and Dr Nordin Ramli
Silver Medal in Telecommunication, ITEX 2016

Associate Professor Dr Ruqaiyyah Siddiqui, Yousuf Aqeel (Collaborator from Boston University School of Medicine), Professor Naveed Khan
Silver Medal in Biotechnology, Health and Fitness, ITEX 2016

Associate Professor Dr Ruqaiyyah Siddiqui, Salwa Mansur Ali [MSc in Life Sciences, student], Professor Naveed Khan
Silver Medal in Biotechnology, Health and Fitness, ITEX 2016

Saurav Thapa [BSc (Hons) in Information Technology, student]

Grand Prize Award, International Conference for the Integration of Science, Technology and Society (ICISTS-KAIST 2016)



Professor Naveed Khan; Associate Professor Dr Ruqaiyyah Siddiqui

Gold Medal in Biomedicine Award
Excellence in Pharma Innovation Award
Bronze Medal in Bio-Innovation Award at Pharma+Bio Asia 2016

Professor Naveed Khan; Associate Professor Dr Ruqaiyyah Siddiqui

Order of Merit Award Thomas Edison Grand Award at 2016 Korea Inventor Award Festival (KIAF)



Timothy Yu [MSc in Life Sciences, student]

Best Oral Presentation, Monash Science Symposium



Nicole Tan [BSc (Hons) Psychology]

Valedictorian during Graduation Ceremony 2016



Kaza Nizamshah bin Mohd Kamil [BSc (Hons) Information Systems, student]

President of Sunway Analytics Society, receiving 2016 Outstanding Clubs and Societies (Non-Sports award)



SUNWAY UNIVERSITY BUSINESS SCHOOL

Students

**Albert Choke Kar Yip; Goh Chuo Shuan;
Kam Kai Xin and Tee Sue Anne**

(Best Presenter Award: Goh Chuo Shuan)
First runner up, Deloitte Tax Challenge 2016

**Joel Thum (apprentice to Karl Erik Broten,
Chief Finance Officer)
Nicole Wong Ka-Khei (apprentice to Loh Keh Jiat,
Chief Marketing Officer)**

Digi CXO Apprenticeship Programme 2016

Lee Seng Zhen

Honourary Mention Award
Global Challenge 2016

Jeanne Ching Phei Shen

Recipient of KPMG ASEAN Scholarship 2016

**Natassia Gan Tick Mun; Han Ning; Mun Quang Hui;
Nur Hidayah bt Khairul Anuar and Yee Kai Mun**

-First prize

Malaysian Association of Convention and Exhibition
Organisers and Suppliers (MACEOS) Asia MICE Youth
Challenge 2016

-represented Malaysia at the Asian Federation of
Exhibition and Convention Associations (AFECA) Asia
MICE Youth Challenge 2016 in Xiamen, China

**Ruby Nguyen Hong Ngoc; Keila Putrikalih
Herawan and Chia Hui Shin**

Grand Prize, 2016 Malaysia Bid Challenge - Bid for
IEEE International Conference on Acoustics, Speech
and Signal Processing ICASSP

**Cheryl Toh Shuet May; Gan Tick Mun, Natassia
and Zar Chi Nway**

3rd prize, 2016 Malaysia Bid Challenge - Bid for
IEEE International Conference on Acoustics, Speech
and Signal Processing ICASSP

Queeny Cheong Peg Gie

Champion, Preliminary Contest, Global Taste of Korea
Contest 2016



Staff

Associate Professor Dr Foo Yin Fah

Education Leadership Award by the Golden Globe Tigers

Dr Koon Vui Yee

Best Paper Certificate, 10th Asia-Pacific Business and
Humanities Conference, 2016

**Rachel Louis Vincent; Professor Sanjaya Singh
Gaur; Dr Sivakumari Supramaniam**

Best Marketing Paper Award

"Sharing: what do we know and what we don't
know", 2nd International Conference on Organization
and Management, Abu Dhabi, UAE, 2016

CENTRE FOR AMERICAN EDUCATION

Chong Yong *(left most in photo below)*

- Kejuhanan 6th Malaysian University Golf Championship 2016 (3rd place)
- Sukma Sarawak 2016, Golf (Team event (Gold), Individual event (3rd place))



Julian Yee Zhi-Jie *(middle in photo below)*

- ISU Four Continents Figure Skating Championship in Taipei, Taiwan (15th place)
- ISU World Figure Skating Championships (21st place and the First ever Malaysian to qualify for the championships)
- Malaysian National Open Figure Skating Championship (1st place, 4th consecutive time)
- As of June 2016, ranked 44th in the World



Liew Kah Sing *(left)*

- SUKIPT 2016 in Johor, Tennis (1st place)
- BMW National Circuit in Langkawi, Tennis (Quarter finalist)
- Sukma Sarawak 2016, Tennis (Individual event (Bronze), Team event (Bronze))
- Asian University Invitation 2016, Tennis (Individual event (Silver))
- As of June 2016, ranked 8th in Malaysia



Lim Yong Yi

- 18th ASEAN University Games, Singapore (Basketball (3rd place))

Victoria Chin Quan Weoi

- Bowling World Youth Championships, Lincoln Nebraska (Singles Event (Silver), Team Event (Bronze), All Events (Bronze))
- Bowling Asian Championships in Hong Kong (Team Event (Silver), Trios Event (Bronze))

Natasha Binti Mohamed Roslan

- SUKIPT 2016 Bowling Women's Team Event (Gold medal), Women's Single (Bronze medal), Women's Double (Bronze medal), Women's All Events (Bronze medal)
- ASTRO 29th Interstate Championship 2016, Bowling, Women's Single (Gold medal), Women's Doubles (Gold medal), Women's Team (Silver medal)
- 40th National Championship 2016, Bowling, Women's Open (Champion)



Teo Chu Yun

- 57th Matrix Agong Cup National Basketball Championship (MABA) (2nd place)

Wan Nadzmi Fikri bin Mohd Faisal

- Singapore Open Youth Boys, Bowling Event (2nd place)

Yeap Zheng Yang *(first from left in photo below)*

- Malaysian Invitational Age Group Championship, Swimming 200m freestyle (Gold)
- Malaysian Open Swimming Championship, 200 freestyle (Bronze)



Teaching Awards

Award for Excellence in Teaching

Associate Professor Dr Alvin Ng Lai Oon

Department of Psychology
Faculty of Science and Technology

Dr Ng is a member of the Department of Psychology, in the Faculty of Science and Technology. He has a Bachelor of Arts degree majoring in Psychology from the University of Western Australia, as well as a Bachelor of Psychology and Doctor of Psychology degrees, both from Murdoch University, Western Australia.

He conducts his classes in a way that constantly challenges students to think about how they can be pragmatic in contributing to future advancements in the community, and not just for the modules or courses that they have taken. He hopes for these outcomes to be sustained throughout his students' lives, through constant adaptation, and applied to various other aspects of life, as well as to propagate their continued development of independent inquiry to others.



Student Appreciation of Teaching Award 2016

FACULTY OF ARTS

Ms Helen Guek Yee Mei
Mr Mohd Azmyl Md Yusof
Ms Vijaya Sooria Sangaran Kutty
Mr Woody Liew Yun Huang

FACULTY OF SCIENCE AND TECHNOLOGY

Dr Angela Lee Siew Hoong
Dr Chew Jacty
Ms Elaine Yong
Ms Lim Woan Ning
Associate Professor Dr Yau Kok Lim

SUNWAY UNIVERSITY BUSINESS SCHOOL

Ms Caroline Yap Yu Li
Dr Jane Teh Kimm Lii
Ms Jessica Ho Sze Yin
Dr Ng Shir Li
Ms Tan Yean Nee

CENTRE FOR AMERICAN EDUCATION

Ms Alyssa Ding Yen Lyn
Ms Janice Wong Shiau Foong
Ms Malissa Maria Mahmud

CENTRE FOR ENGLISH LANGUAGE STUDIES

Dr Ann Rosnida Binti Md Deni
Ms Jayne Wong Oi Mun
Mr Jonathan Moh Jun Han
Ms Julie Liew Mee Quinn
Ms Pax Wong Kit Wan
Ms Sarina Kaur Pritam Singh
Ms Tan Lay Hong
Ms Yeoh Gim Gaik

Research Awards

Award for Achievement in Research



Associate Professor Dr Yau Kok Lim

Department of Computing & Information Systems

Faculty of Science and Technology

Dr Yau is a member of the Department of Computing and Information Systems, Faculty of Science and Technology. He received his B.Eng. degree in Electrical and Electronics (Honours) from Universiti Teknologi Petronas, Malaysia; MSc (Electrical Engineering) from National University of Singapore and PhD (Network Engineering) from Victoria University of Wellington, New Zealand.

He researches, lectures and consults in cognitive radio, wireless networks, applied artificial intelligence and reinforcement learning. He researches cognitive radio as he foresees that the current congestion of radio spectrum and competition for this scarce resource would require a new generation of wireless communication system, critical to the usage of mobile as well as medical devices. Urbanisation has increased stress on the limited radio spectrum available and this problem is compounded by countries in close geographical proximity which must coordinate and share this resource. His research team has demonstrated that the application of artificial intelligences in cognitive radio networks dramatically improves communication systems that efficiently use 'channels' to assist in management of bandwidth usage.

Dr Yau's research has been published in over 55 conference and journal papers, including some of the top journals in his research field including ACM Computing Surveys, IEEE Communications Surveys and Tutorials, and IEEE Wireless Communications. His research has also led to the filing of a patent entitled System and Method for Cluster Based Routing for Cognitive Mesh Networks in December 2014. He has secured external grants including MOSTI Science Fund and MOHE FRGS grants. He serves as Editor for KSII Transactions on Internet and Information Systems, as well as Guest Editor for special issues in IEEE Access, IEEE Computational Intelligence Magazine and IET Networks, as well as a regular Reviewer for over 20 journals, including IEEE journals and magazines, Ad Hoc Networks, and IET Communications. He has served as General Co-chair for IET ICFCNA'14 and Co-chair Organising Committee for IET ICWCA'12, as well as Technical Programme Committee and Reviewer for major international conferences including AINA, Globecom, ICC, LCN, PIMRC, VTC and LCN.

The contribution of Dr Yau's research is significant to the development of Information and Communications Technology in Malaysia, and serves as the driver of economic activities, in line with the country's aspiration to become a high-income nation.

Award for Achievement in Research for Early Career Researcher



Dr Seng Hoi Ling

Department of Biological Sciences
Faculty of Science and Technology

Dr Seng received her BSc degree with honours in Biotechnology from the University of Tunku Abdul Rahman in 2006, and in 2011 completed her PhD in Medical Biotechnology/Molecular Biology at the same university. Dr Seng joined UM High Impact Research (HIR) group at the University of Malaya in 2012 as a Postdoctoral Fellow.

Dr Seng has contributed to the paradigm change of drug development research in Malaysia and facilitated several

crucial collaborations by linking work on metal-based drug with biological techniques designed to gain a mechanistic understanding of functional or anatomical changes at the cellular level.

In the treatment of cancer, the most common metal compound drug used contains platinum, which is known to produce side effects such as temporary hair loss, nausea, vomiting, diarrhea and appetite loss. Dr Seng's research in 'chrysotherapy' builds upon the discovery that using tiny gold particles instead of platinum, in the delivery of treatment drugs, produces fewer side-effects. The use of gold compounds for better and more targeted approaches to cancer treatment is aimed at overcoming the major limitation of modern chemotherapy techniques by targeting cancer cells specifically and leaving healthy cells untouched.

Her research interests in metal based drugs and drug mechanism study are reflected in her active publication at international scientific journals. She is the author/co-author of over 25 scientific papers, book chapters, and reviews. In 2014, Seng was awarded a Bright Sparks of High Impact Research postdoctoral researcher from the University of Malaya in recognition of her work in metal-based drug study.



Dr Yong Min Hooi

Department of Psychology
Faculty of Science and Technology

Dr Yong is a member of the Cognitive and Experimental Psychology research group, Department of Psychology. She received her BSc (Hons) from Universiti Malaysia Sarawak, and PhD from University of Otago, New Zealand. Prior to joining Sunway University, she was a postdoctoral researcher in University of Nottingham Malaysia. Min has also worked as a research assistant in the department of Psychology in University of Otago, New Zealand and department of Biology in University of Winnipeg, Canada.

Dr Yong's research interest lies in social understanding and cognition in non-humans, specifically, to pursue the empathic-like responding (emotion recognition) in companion animals, preverbal human infants, and primates. The behavioural and physiological responses would identify the possible shared mechanisms across mammals in the course of evolution. This research is not only exploratory in nature, but could also be applied in animal-assisted therapy or in treatment with vulnerable groups e.g. elderly, children with disabilities or disorders, and for animal health and welfare for animals living in shelters or in captivity.

In addition to publishing in international peer-reviewed journals, she has received external grant awards for international conference travels, and research grants - the most recent being Fundamental Research Grant Scheme (FRGS) from Ministry of Higher Education, Malaysia. Her current research focuses on investigating the roots of empathic responding in infants, and decline in older adults using psychophysiological methods. This research is in collaboration with both local and international researchers; University of Otago, New Zealand, Monash University Malaysia, Universiti Kebangsaan Malaysia, and Lancaster University, UK.



Ceremonies

RM56 million boost from Jeffrey Cheah Foundation to impact lives

Scholarships and Awards

A total of RM56 million worth of scholarships were awarded to deserving recipients, the highest annual disbursement in the history of the Jeffrey Cheah Foundation (JCF) to date, at the 2016 JCF Scholarship and Awards ceremony held in July. The JCF, Malaysia's largest education-focused social enterprise, has awarded scholarships, research endeavours, travel grants and merit-based awards to deserving individuals on an annual basis since 2010 to make a difference in the lives of thousands of deserving students.

In the presence of Tan Sri Dr Ali Hamsa, Chief Secretary to the Government of Malaysia, recipients from different ethnicities and backgrounds were present to receive their disbursement at the Jeffrey Cheah Hall which was filled with educators, parents, students, family members and invited guests. Also in attendance were Tan Sri Dr Jeffrey Cheah, AO, Founding Trustee of the Jeffrey Cheah Foundation; Jeffrey Cheah Foundation Trustees, YAM Tunku Zain Al-'Abidin ibni Tuanku Muhriz, Tan Sri Dato' Dr Lin See-Yan, Tan Sri Datuk Seri Razman M. Hashim, Tan Sri Dato' Dr R.V. Navaratnam, Tan Sri Rainer Althoff; Dr Lee Weng Keng, Chief Executive Officer, Education and Healthcare Division, Sunway Group and Dr Elizabeth Lee, Senior Executive Director of Sunway Education Group.

The JCF Scholarships and Awards Ceremony is a platform to recognise the accomplishment of those who excel in academics, sports, music and extra-curricular activities. Among the awards and scholarships given by the JCF were need-based scholarships, merit-based scholarships, and scholarships awarded for talent and sporting achievements. The Jeffrey Cheah Travel Grants for Southeast Asia Studies at Harvard University were also given out at this ceremony.

Other need-based scholarships presented were the Jeffrey Cheah Foundation Community Scholarship, Jeffrey Cheah Foundation Scholarship, Nanyang Tertiary Education Fund, Sin Chew Daily Education Fund, SUN-MAPCU Scholarship Scheme, Sunway-Berita Harian Scholarship and The Star Education Fund.

To date, the Jeffrey Cheah Foundation has awarded approximately RM270 million worth of scholarships to thousands of deserving young Malaysians.



Graduation ●

Sunway University celebrated the achievement of its students at its 2016 graduation ceremony at the Sunway Resort Hotel and Spa in July.

The annual ceremony saw the conferment of 174 diplomas, 347 degrees, two Masters and one Doctorate. This year's graduation ceremony marks a first for the Centre for Actuarial Studies, Applied Finance and Statistics with the first batch of students graduating with the BSc (Hons) in Actuarial Studies.

Professor Stephen Decent, Pro-Vice Chancellor (Research) of Lancaster University was present to confer the University of Lancaster scrolls to the graduating students from the Communication, Computing, Psychology and Business disciplines for the honours degree programmes by Sunway University, validated by Lancaster University. This year's valedictorian was Nicole Tan Siew Wen who graduated with the BSc (Hons) Psychology.










The July ceremony also saw the Faculty of Science and Technology graduating its first cohort in the Masters and Doctorate Programmes - Isabel Yee Pinn Tsin graduated with a Master of Science in Life Sciences; Alyssa Ding Yen Lyn with a Master of Science in Psychology and Angela Lee Siew Hoong with a Doctor of Philosophy (Computing).

All three postgraduates are currently attached to Sunway University, Yee is a Research Fellow at the Research Centre for Biomedical Sciences; Ding is a Lecturer at the Centre for American Education while Lee is Senior Lecturer at the Department of Computing and Information Systems.

At the ceremony, 19 graduates were awarded the Tan Sri Dato' Seri Dr Jeffrey Cheah Scholastic Award - a certificate and quantum worth RM2,000 to those who have consistently maintained outstanding academic results throughout their period of study.

Scholarly Activities in 2016

JEFFREY CHEAH DISTINGUISHED SPEAKERS SERIES

13 January		<p>Professor Khaw Kay-Tee Jeffrey Cheah Professorial Fellow Gonville & Caius College Professor of Clinical Gerontology University of Cambridge</p>	<p>Is Ageing Modifiable? What can we learn from population studies?</p>
18 March		<p>Professor Baba Shiv Sanwa Bank, Limited, Professor of Marketing Stanford Graduate School of Business</p>	<p>Is a Good Decision Based on Emotion or Reason?</p>
7 April		<p>Professor Sir Alan Roy Fersht Master of Gonville & Caius College University of Cambridge</p>	<p>Protein Folding, Misfolding, Disease and Cancer</p>
5 May		<p>Professor Jay K. Rosengard Director Mossavar-Rahmani Center for Business and Government's Financial Sector Program, and Lecturer in Public Policy John F. Kennedy School of Government Harvard University</p>	<p>The ASEAN Economic Community: A Reality Check</p>
27 July		<p>Professor Rema Hanna Jeffrey Cheah Professor of Southeast Asia Studies Harvard Kennedy School, and Co-Director of the Evidence for Policy Design (EPoD) research programme Center for International Development, Harvard University</p>	<p>Contracting out the Last- Mile of Service Delivery: Subsidised Food Distribution in Indonesia</p>
15 August		<p>Professor Kenneth Winston Retired Senior Lecturer Harvard Kennedy School Harvard University</p>	<p>Thinking About Ethics: Is a Good Professional Necessarily a Good Person?</p>
22 September		<p>Professor Michael Eysenck Emeritus Professor of Psychology Royal Holloway University of London</p>	<p>Cognitive Neuroscience: Over-Hyped or the Real Deal?</p>
17 October		<p>Professor Paul Zimmet, AO Baker IDI Heart and Diabetes Institute, and Monash University, Australia</p>	<p>Diabetes – The Greatest Epidemic in Human History? Implications for Asia</p>
27 October		<p>Professor Dean Williams Faculty Member Center for Public Leadership Harvard Kennedy School Harvard University</p>	<p>Leadership For A Fractured World: How To Cross Boundaries, Build Bridges And Lead Change</p>

JEFFREY CHEAH INSTITUTE ON SOUTHEAST ASIA EVENTS

Date of event	Type of event	Topic	Speakers
14 January	Forum	The World Economy in 2016	<ol style="list-style-type: none"> 1. Professor Woo Wing Thye, President, Jeffrey Cheah Institute on Southeast Asia, Sunway University 2. Professor Kuan Chung-Ming, University Chair Professor, Finance Department and Economics Department and Director of the Center for Research in Econometric Theory and Applications, National Taiwan University
25 January	Forum (In Collaboration with: G25 and Islamic Renaissance Front)	Is Political Islam a Threat to Democracy?	<p>Mr Mustafa Akyol, author and columnist for Turkish newspaper Hürriyet Daily News, the website Al-Monitor: The Pulse of the Middle East, and a monthly opinion writer for The International New York Times.</p> <p><u>Moderator:</u> Professor Woo Wing Thye, President, Jeffrey Cheah Institute on Southeast Asia, Sunway University</p>
26 January	Webcast	TPPA and Malaysia	<ol style="list-style-type: none"> 1. Professor James Chin, Director, Governance Studies Programme, Jeffrey Cheah Institute on Southeast Asia, Sunway University 2. YB Charles Santiago, Member of Parliament, Malaysia 3. Professor Sufian Jusoh, World Trade Institute and Institute for Malaysia and International Studies Universiti Kebangsaan Malaysia
28 January	Forum	Universities to Survive the Current Uncertainties Through Innovation	<ol style="list-style-type: none"> 1. Professor Tan Sri Dr Ghauth Jasmon, Senior Fellow, Jeffrey Cheah Institute on Southeast Asia; Board Member, Sunway University 2. Mr. Vincent Wong Wai Sang, CEO, Malaysia Innovation Hub and former Political Secretary, Department of National Unity, Prime Minister's Department.
4 February	Webcast	ISIS in Malaysia	<p>Dr Maszlee Malik, Assistant Professor at the International Islamic University, Malaysia</p> <p><u>Moderator:</u> Professor James Chin, Director, Governance Studies Programme, Jeffrey Cheah Institute on Southeast Asia, Sunway University</p>
7 March	Seminar	Mobilising Diversity to Achieve Academic Excellence	<p><u>Panel of speakers:</u></p> <ol style="list-style-type: none"> 1. Professor Tan Sri Dr Ghauth Jasmon, Senior Fellow, Jeffrey Cheah Institute on Southeast Asia; Board Member, Sunway University 2. Professor Marnie Hughes-Warrington, Deputy Vice-Chancellor, Australian National University, Australia 3. Karen Welsh, Counsellor (Education and Science), Australian High Commission, Malaysia 4. Professor Graeme Wilkinson, Vice-Chancellor, Sunway University <p><u>Moderator:</u> Professor Glenda Crosling, Dean of Quality, Sunway University</p>

JEFFREY CHEAH INSTITUTE ON SOUTHEAST ASIA EVENTS (continued)

Date of event	Type of event	Topic	Speakers
24 March	Conference	East Asia in 2016: Searching for Solutions to Domestic Socio-Economic Problems, Big-Power Rivalry and Climate Change	<p><u>Moderator for Southeast Asian Situation:</u> Professor Leong Choon Heng, Sunway University</p> <p><u>Panel of speakers:</u></p> <ol style="list-style-type: none"> 1. Professor Dato' Dr Tan Tat Wai, Research Professor, Sunway University 2. Professor Chalongphob Sussangkarn, former Minister of Finance, Thailand; and former President of Thailand Development Research Institute 3. Professor Tan Sri Dr Ghauth Jasmon, Senior Fellow, Jeffrey Cheah Institute on Southeast Asia; Board Member Sunway University 4. Professor Mari Elka Pangestu, Former Minister of Trade, Indonesia <p><u>Moderator for Northeast Asian Situation:</u> Professor Tan Sri Lin See-Yan, Research Professor, Sunway University</p> <p><u>Panel of speakers:</u></p> <ol style="list-style-type: none"> 1. Professor Emeritus Wang Gungwu, Chairman, East Asian Institute, National University of Singapore 2. Professor Dwight Perkins, Harold Hitchings Burbank Professor Emeritus of Political Economy, Harvard University 3. Professor Woo Wing Thye, President, Jeffrey Cheah Institute on Southeast Asia, Sunway University 4. Professor Yoon Young-Kwan, Professor, Seoul National University, and former Minister of Foreign Affairs, South Korea
24 March	Dinner Talk	Reimagining Southeast Asia	Professor Mari Elka Pangestu, Former Minister of Trade, Indonesia
23 April	Forum	The European Economy: Policies, Prospects and Problems	<p>Dr Seppo Honkapohja, Member of the Board, Bank of Finland</p> <p><u>Moderator:</u> Professor Woo Wing Thye, President, Jeffrey Cheah Institute on Southeast Asia, Sunway University</p>
13 May	Public Lecture	The 2016 Sarawak Elections: Team Adenan and Other Stories	<p>Professor James Chin, Director, Governance Studies Programme, Jeffrey Cheah Institute on Southeast Asia, Sunway University</p> <p><u>Moderator:</u> Professor Woo Wing Thye, President, Jeffrey Cheah Institute on Southeast Asia, Sunway University</p>

JEFFREY CHEAH INSTITUTE ON SOUTHEAST ASIA EVENTS (continued)

Date of event	Type of Event	Topic	Speakers
30 May	Forum (In Collaboration with: G25 and Islamic Renaissance Front)	Islam and the Secular State	Professor Abdullahi Ahmed An-Na'im, Charles Howard Candler Professor of Law, Emory University, USA <u>Moderator:</u> Professor Leong Choon Heng, Sunway University
21 June	Seminar	Expanding Private Higher Education	1. Professor Tan Sri Dr Ghauth Jasmon, Senior Fellow, Jeffrey Cheah Institute on Southeast Asia; Board Member, Sunway University 2. Professor Mansor Fadzil, President / Vice-Chancellor, Open University Malaysia
1 August	Forum (In Collaboration with: G25 and Islamic Renaissance Front)	Toward a Political Theory of Sectarianism: The Saliency of Authority over Theology	Associate Professor Dr Nader Hashemi, Associate Professor of Middle East and Islamic Politics and Director, Center for Middle East Studies, Josef Korbel School of International Studies, University of Denver <u>Moderator:</u> Professor Leong Choon Heng, Sunway University
12 August	Forum (In Collaboration with: Malaysian Economic Association)	Effectiveness of Parliamentary Committees	1. Rt Hon Norman Baker, Former Minister of State, Home Office and Minister of Transport, United Kingdom 2. Hon Anna Burke, Retiring Member of Australian Parliament, and former Speaker of the House of Representatives 3. Hon Jon Erizal, Member of Indonesian Parliament <u>Moderator:</u> Tan Sri Dr Ramon Navaratnam, corporate advisor to the Sunway Group
22 September	Seminar (In Collaboration with: Center for International Development at Harvard University)	A New Development Strategy for Southeast Asia based on the Expansion of Production Network and Preferential Trade Agreements	Professor Fukunari Kimura, Dean, Faculty of Economics, Keio University
4 October	Seminar	University leadership and Governance: Achieving Greater Excellence in Malaysian Institutions	1. Professor Da Hsuan Feng, Director of Global Affairs and Special Advisor to the Rector of University of Macau (UMacau) and a Fellow of the American Physical Society. 2. Professor Alma Harris, Director of the Institute of Educational Leadership, University of Malaya 3. Professor Tan Sri Dr Ghauth Jasmon, Senior Fellow, Jeffrey Cheah Institute on Southeast Asia; Board Member, Sunway University.

JEFFREY CHEAH INSTITUTE ON SOUTHEAST ASIA EVENTS (continued)

Date of event	Type of event	Topic	Speakers
5 October	Seminar (In Collaboration with: Center for International Development at Harvard University)	Understanding the Slow Catch-Up Growth in Indonesia and Fixing the Problem	Professor Muhamad Chatib Basri, Professor of Economics, University of Indonesia
11 October	Forum (In Collaboration with: Harvard University Asia Center, Southeast Asia Seminar Series)	Ethnic Politics in Malaysia: Recent Trends and Pressures	Professor James Chin, Director, Governance Studies Programme, Jeffrey Cheah Institute on Southeast Asia, Sunway University
31 October	Seminars	Malaysia's Growth Sustainability and Economic Transformation	<ol style="list-style-type: none"> 1. Professor Datuk Dr Noor Azlan Ghazali, Vice-Chancellor, Universiti Kebangsaan Malaysia and Commonwealth Fellow of Financial Economics Banking, the Association of Commonwealth Universities (ACU) 2. Professor Yeah Kim Leng, Director of Economic Studies Programme, Jeffrey Cheah Institute on Southeast Asia; Professor of Economics, Sunway University Business School; Vice-President, Malaysian Economic Association
9 November	Seminar (In Collaboration with: Center for International Development at Harvard University)	Efficient and Inclusive Urbanization in China Requires a Leading Role for the Big Cities	Professor Lu Ming, Distinguished Professor of Economics, Shanghai Jiao Tong University

PROFESSORIAL LECTURE SERIES

Date	Speaker	Topic
27 January	Professor Pua Eng Chong Deputy Vice-Chancellor	Searching for Factors Controlling Cloning of Plants
26 May	Professor Edward Tiekink Distinguished Professor & Head - Research Centre for Crystalline Materials	Adventures in Crystal Engineering
28 July	Professor Harold Thwaites Dean, Faculty of Arts	Digital Transformations of the Cultural Imaginary
5 October	Professor Naveed Ahmed Khan Distinguished Professor and Head (Academic) - Department of Biological Sciences	War on Terror Cells

International Collaborations

In 2016 Sunway University collaborated with the following international institutions.

Date	Type of Agreement	University / Institution	Country	Nature of Memorandum
13 January	MoU	Amity University	India	To facilitate exchange of staff members, students and academic information
10 March	MoU	Teikyo University	Japan	To facilitate exchange of staff members, students and academic information
15 March	MoU	Hebei University	China	To facilitate exchange of staff members, students and academic information
26 April	MoA	University of Montana	USA	Articulation arrangement for ADTP students to pursue undergraduate degrees abroad
11 May	MoU and MoA	Southern Utah University	USA	To facilitate staff and student exchanges and articulation arrangement for ADTP students to pursue undergraduate degrees abroad
1 June	MoU	Kyoto Tachibana University	Japan	To facilitate exchange of staff members, students and academic information
1 June	MoU	TransWorld University	Taiwan	*To facilitate exchange of staff members, students and academic information
2 June	MoA	University of East Anglia	UK	Articulation arrangement for financial economics and actuarial studies students to complete their undergraduate degrees abroad
20 June	MoU	Shih Hsin University	Taiwan	*To facilitate exchange of staff members, students and academic information
20 July	MoA	University of Tasmania	Australia	*Articulation arrangement for performing arts students to pursue their degree studies abroad with exemptions
26 August	MoU	East Carolina University	USA	To facilitate staff and student exchanges and articulation arrangement for ADTP students to pursue undergraduate degrees abroad

* renewal of existing agreements

MoA – Memorandum of Agreement

MoU – Memorandum of Understanding

Date	Type of Agreement	University / Institution	Country	Nature of Memorandum
21 September	MoU	Macquarie University	Australia	To facilitate exchange of staff members, students and academic information
21 September	MoA	Macquarie University	Australia	Articulation arrangement for actuarial studies students to complete their undergraduate degrees abroad
1 October	MoA	Western Michigan University	USA	Articulation arrangement for ADTP Business students to complete their undergraduate degrees abroad
20 October	Student exchange agreement	Tamkang University	Taiwan	To enable exchange of students
17 October	MoU	The International Academic Forum (IAFOR)	Japan	An arrangement which would allow both organisations to profile themselves internationally and locally within their respective countries
21 October	MoU	Chung Yuan University	Taiwan	To facilitate exchange of staff members, students and academic information
11 November	MoU	Ton Duc Thang University	Vietnam	To facilitate exchange of staff members, students and academic information
14 November	MoU	Daelim University College	South Korea	*To facilitate exchange of staff members, students, special short term programmes and academic information
1 December	MoU	Kanto Gakuin University	Japan	To facilitate exchange of staff members, students and academic information
10 December	MoU	National Pingtung University	Taiwan	To facilitate exchange of staff members, students and academic information

* renewal of existing agreements

MoA – Memorandum of Agreement

MoU – Memorandum of Understanding

Working in Partnership

In 2016 Sunway University collaborated with the following institutions based in Malaysia

Date	Type of Agreement	University / Institution	Nature of Memorandum
3 February	Student Nurses Training Agreement	Sunway Medical Centre	Student nursing training
10 May	MoU	SAS Institute Sdn. Bhd.	BSc (Hons) Information Systems (Business Analytics) graduates would also receive a Joint Certificate in Big Data with Advanced Techniques in Data Science
18 October	MoA	The Malaysian Insurance Institute	BSc (Hons) in Actuarial Studies graduates have an accelerated pathway to the Associateship of the Malaysian Insurance Institute via exemptions
2 November	MoU	Gerak Saga Sdn. Bhd.	Exploration of research collaboration in conservation and sustainability as well as capacity building
15 November	MoU	Universiti Kebangsaan Malaysia	An arrangement with the Jeffrey Sachs Center on Sustainable Development to collaborate on activities and research in the area of sustainable development

MoA – Memorandum of Agreement

MoU – Memorandum of Understanding

Senior Appointments

PROFESSORS

Professor Sanjaya Singh Gaur

Head (Academic) - Department of Marketing,
Sunway University Business School
Appointed 1 January 2016

Professor Hew Gill

Head (Academic) - Department of
Psychology, Faculty of Science and
Technology
Commenced 4 January 2016

Professor Yeah Kim Leng

Senior Fellow, Jeffrey Sachs Center on
Sustainable Development
Commenced 3 May 2016

Professor Hwang Ha Jin

Head (Academic) - Department of
Business Analytics, Sunway
University Business School
Commenced 10 August 2016

Professor Leong Choon Heng

Deputy Director, Jeffrey Sachs
Center on Sustainable Development
Commenced 11 January 2016

Professor Paul Hoskin

Professor of Geology and Dean -
Faculty of Science and Technology
Commenced 7 October 2016

Professor Zaharin Bin Yusoff

Department of Computing and Information
Systems, Faculty of Science and Technology
Commenced 1 October 2016

Professor Mohamed Ariff Bin Syed Mohamed

Head (Academic) - Department of
Economics and Finance, Sunway University
Business School
Commenced 1 November 2016

Professor Saidur Rahman

Distinguished Research Professor,
Faculty of Science and Technology
Commenced 21 November 2016

ASSOCIATE PROFESSORS

Associate Professor Dr Chang Chee Fei

Head (Academic) - Department of
Accounting, Sunway University
Business School
Appointed 1 January 2016

Associate Professor Dr Lee Yun Li

Department of Computing and
Information Systems, Faculty of
Science and Technology
Appointed 1 January 2016

Associate Professor Dr Lin Mei-Hua

Department of Psychology,
Faculty of Science and Technology
Appointed 1 January 2016

Associate Professor Dr Hwang Jung Shan

Head - Research Development,
Sunway Institute for Healthcare
Development
Commenced 16 May 2016

Associate Professor Leow Puay Tin

Department of Performance and Media,
Faculty of Arts
Commenced 1 July 2016

Associate Professor Kenneth Alan Feinstein

Centre for Research-Creation in Digital Media,
Faculty of Arts
Commenced 1 November 2016

ADJUNCT PROFESSORS AND ASSOCIATE PROFESSORS

Adjunct Professor Chia Yook Chin

Commenced 1 April 2016

Adjunct Professor Thong Meow Keong

Commenced 1 April 2016

Adjunct Professor Graeme Edward Atherton

Commenced 1 May 2016

Adjunct Professor Lo Kong Mun

Commenced 2 May 2016

Adjunct Professor Ramayah A/L Thurasamy

Commenced 1 May 2016

Adjunct Associate Professor Alexis Heng Boon Chin

Commenced 1 March 2016

Adjunct Associate Professor Bong Jan Jin

Commenced 1 April 2016

Adjunct Associate Professor Chow Sook Khuan

Commenced 1 July 2016

Adjunct Associate Professor Chua Yeok Pin

Commenced 1 March 2016

Adjunct Associate Professor Wong Chieh Lee

Commenced 1 April 2016

DIRECTORS AND HEADS OF DEPARTMENTS

Mr Erik George Blees

Head - English for Specific Academic Purposes
Unit, Centre for English Language Studies
Commenced 10 February 2016

Ms Carol Wong Yoke Pei

Head - Sunway University Press
Commenced 1 September 2016

Professor Edward Tiekink

Distinguished Professor &
Head - Research Centre for
Crystalline Materials
Appointed 1 September 2016

Mr Matthijs Geert-Jan Van Leeuwen

Director of Innovation and Commercialisation
Commenced 1 September 2016

Dr Chan Nee Nee

Head (Academic) - Department of
Communication and Liberal Arts, Faculty of Arts
Commenced 1 December 2016

Investing in the Future

Library

In 2016, the Sunway Campus Library continued to improve infrastructure and environment in the new Library in response to library user needs.

As at December 2016, the Library's total book, audio-visual and bound journal collections stood at 145,177 items. Total electronic collection available to users included 32,000 e-journals, 124 e-databases and 148,844 e-books.

Total membership comprised 26,028 users as at December 2016, an increase of 19% from 21,900 members in 2015. The Library saw increases in usage, with total entries accounting for 1,730,000 (20% increase over 2015) and 107,770 loans (3% increase over 2015).

Sunway Campus Library continued to provide a wide range of library services. Improvements carried out during 2016 included the following:

- A Customer Satisfaction Survey was carried out between February and March 2016. On a 10-point scale, 85.4% of respondents rated the Library 7 and above. Analysis showed that the Library needed to take action on the environment, infrastructure and IT facilities. Corrective actions taken included replacement of 146 dim lights, an anti-noise campaign, fine-tuning of temperature settings, addition of 200 seats, changes in furniture layout, and addition of two more printers.
- Installation of microphone system for the Instructional Lab.
- Introduction of booking system for library facilities, including Group Project Pods, Training Room and Computer Stations.
- Creation of an alternative library catalogue in the Cloud, which uses a single Google-like search box to search the catalogue.
- Creation of interactive online library guides.
- Extension of opening hours for Mezzanine Level from 8.00 am to 2.00 am the next day on a daily basis, including weekends and public holidays
- Use of online evaluation for Orientation and Information Skills sessions

The Sunway Library Committee met four times in 2016. There was a change of Chairman from the Vice-Chancellor to the Deputy Vice-Chancellor.

Sunway Campus Library was successful in maintaining its ISO9001:2008 certification after a SIRIM Surveillance Audit in April 2016.



The Campus Building

Renovations continued to take place in and around the new University Building in 2016. Some of the new changes include a Film Studio on Level 1, a Child and Development Lab and Human Performance Lab on Level 3 and a Recording Studio on Level 5. Level 9 was renovated to accommodate all academic and administrative staff of the Faculty of Arts. All

three departments under the faculty namely the Department of Art and Design, Department of Communication and Liberal Arts and the Department of Performance and Media relocated to Level 9 in December. The new purpose-designed floor now comprises a complete suite of fully-equipped studios, teaching facilities and informal learning spaces.

Sunway University is a member
of the Sunway Education Group

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