



# SPECTRUM

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## Feature

Mahidol University's Comprehensive Globalization and Transformational Process

## MU Innovation

Asst. Prof. Yodchanan Wongsawat talks about the sleep-alarm system known as Alertz

## Globalization – Ready for the 21<sup>st</sup> Century.



*International Experiences*

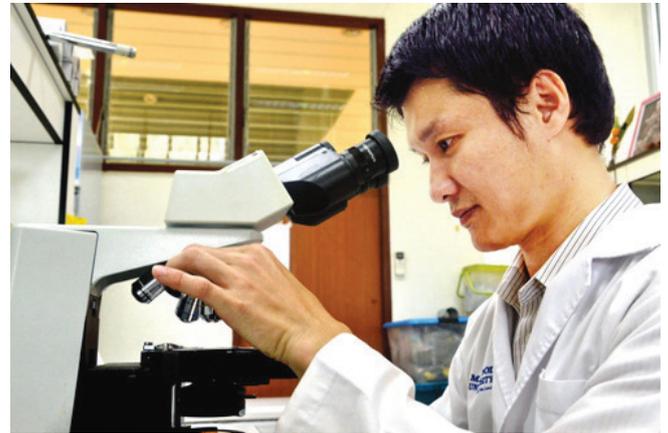
*Global Outlook-Thai  
Perspective*

*ASEAN +3*

*Soft-skills  
Internship & employability  
Entrepreneurship*

## MU Researcher Makes Breakthrough in Tests for Liver Flukes in Cattle

Assoc. Prof. Panat Anurakpreeda (*pictured*), a parasitologist from the Division of Agricultural Science, at Mahidol University's Kanchanaburi Campus has developed a new test kit which could make a significant contribution to the control of the parasitic liver fluke (*Fasciola gigantica*) in cattle. The traditional test for this parasite has focused on the identification of adult fluke eggs in the suspected host's stools. However, it takes up to 13 weeks for eggs to appear post-infection, with the test requiring the services of a skilled parasitologist. When combined, these factors can lead to imprecise diagnosis and significant delays in treatment. This new serum-based test, which can be conducted in the field, is more precise, convenient, and faster – often providing results within four hours.



Rapid diagnosis of this disease is crucial in reducing the contamination of grazing pasture and water bodies by this parasite, which can also be transmitted to humans and domestic pets through the consumption of aquatic plants collected from affected areas. According to Assoc. Prof. Anurakpreeda, this new test is “*by far the fastest and most precise method for testing liver flukes in animals available in this country.*”

## Sufficiency Thinking: Thailand's gift to an unsustainable world



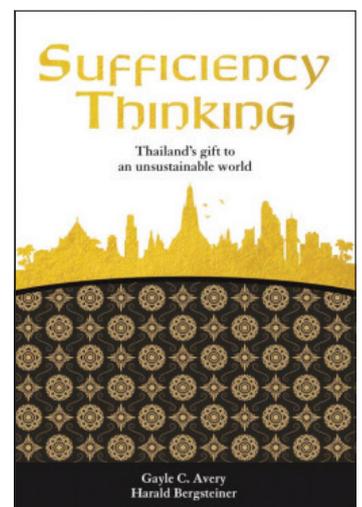
In order to help address increasing global concerns over wealth inequality and secure access to natural resources (including food and clean water), Assoc. Prof. Sooksan Kantabutra from the College of Management Mahidol University (CMMU), with a generous grant from Thailand Sustainable Development Foundation, and a group of leading Thai scholars and experts have added their voices to the book – *Sufficiency Thinking – Thailand's gift to an unsustainable world*.

In this publication, the authors describe how the innovative management practices developed by King Bhumibol Adulyadej of Thailand have been applied

across a range of sectors nationwide – including agriculture, education, business, government, and community organizations.

They also reveal how the Thai model of sufficiency thinking has transformed mindsets and enriched lives – as well as the implications of this approach to sustainable development for policy makers worldwide.

The book is edited by Dr. Gayle C. Avery, Professor of Management at Macquarie Graduate School of Management; and Dr. Harald Bergsteiner, an Honorary Professor at the Australian Catholic University – the founders of the Institute for Sustainable Leadership and authors of *Sustainable Leadership: Honeybee and Locust Approaches*. It is published by Allen and Unwin, Australia.



# Community Outreach News

## Mahidol University's Creative Economy Center Presents *Father's Rice*



As one of its first projects, Mahidol University's Creative Economy Center (MUCEC), led by Asst. Prof. Dr. Surapong Lertsithichai, is bringing the inspirational story on the importance of rice and rural communities – Khao Khong Por (*Father's Rice*) to movie screens across Thailand. The project, which is currently in pre-production, is a partnership with Big Brain Pictures and consists of an animated short film and a series of featurettes.

Khao Khong Por was originally written in 2010, and describes the important relationship between Thai people, rice production, and His Majesty King Bhumibol Adulyadej. The story outlines the importance of rice as a source of food and as a cultural keystone – and how His Majesty's commitment to innovation in its production and farming practices has led to rice becoming part of the lifeblood of Thai people and the country's top export product.



The animation therefore aims to capture the magic behind the story and inspire generations of people across the ASEAN region.

This adaptation of Khao Khong Por tells the story of Din – a young city boy who reluctantly travels with his family to the countryside to visit his grandfather, Tong. Din has never visited the country, so the change in environment puts him on edge.

He is uncomfortable and prefers the conveniences of city life – however, he learns to adapt to the ways of the country and realizes the importance of community. With help from a local girl, Tanya, and a motley group of local wildlife, Din sets out to find the true meaning and magic behind rice. The original story takes the form of a daily lesson from father to son about the importance of rice production and the significant contributions His Majesty has made to Thailand's prosperity and symbolizes the passing of knowledge and tradition from one generation to the next.

The multi-tiered initiative will be divided into a 30-minute short film and a 17-episode mini-series, plus various pop-up exhibitions, merchandise and publications. The 30-minute short film will take into account changes since the original story was written by introducing new characters. Meanwhile, the mini-series will use familiar characters in order to reflect the lessons from the book. Overall, the animation intends to bring a more organic feel to the book and create a new audience at home and abroad.

To learn more about the project, please visit <http://www.facebook.com/fathersriceanimation>.

# MU Students

## Highlights of Mahidol University's



As reported in the last edition of *Spectrum*, in 2016 Mahidol University offered students the chance to explore the ASEAN region and to develop their language and life skills via the *Backpack Scholarship*. Following a competitive selection process, over 30 groups of students were given the opportunity to plan their own one-week cultural trip to one (or more) of Thailand's ASEAN neighbors. Upon their return to Mahidol University, the students shared their experiences through various social media and personal networks.

Just a few examples of their insights and learning are described below:



*"Our main goal is to understand more about Indonesia. Through many exotic landscapes, from volcanos to the oceans, from jungles to the cities, we found that this was a great opportunity to expand our horizons about our close neighbor, Indonesia. We now know a lot more than we expected. We climbed our first volcano - waking a midnight and trekking until dawn. We achieved our goal of understanding Indonesia, but we also understand ourselves more too. It's was a great opportunity and we will use our experiences to improve ourselves and our university."* – **"Escape"- a group from the Faculty of Medicine Siriraj Hospital**

*"Our journey was unique, like no other. Four nights and five days have taught us many important life lessons that cannot be found in any classroom. Being in a country that has a different history, culture, and set of beliefs, not only taught us to understand the perspectives of others, but also to understand ourselves better. Though it was a short period of time, we have definitely learned and grown in ways we never have before."* - **"Team Exploring the History and Cultures of Vietnam" - a group from Mahidol University International College**



*"I have learned so many lessons from the MU Backpack, but the one thing that was very important to me is that I learnt how important it is to know and perform our duties. In real situations, I think everyone needs to conduct their duties, so everything goes well and according to plan. If not, then problems can occur for everyone in the group, not just the person who made the problem. Fortunately, everyone in my group was very responsible and knew their duties, so it was a success. That's why I think this lesson learned during my MU Backpack journey is so important."* – **Ms. Patcharida Rungruang, part of "Hai-Vietnam Music Bond" – a group from the College of Music**

## Student Backpack Scholarships



*“It was an adventurous, exciting and mind-opening seven days. We started off realizing that everything that we have planned for was a prelude to the unexpected. We needed to improvise and learn as much as we could – in the shortest time possible. We discovered that despite your plans, you will still encounter unexpected events. There are a lot of hard decisions to make and problems to solve which are caused by matters that you never knew could cause a problem. This scholarship and this trip provided a great opportunity for us to not only learn about the cultures and history of the host country, but also about our friends and ourselves in the most practical ways. As a result of this trip, our way of looking at the world has changed. We have become more mature and sophisticated. Finally, we received an unforgettable memory that will reminisce about when we are old!”* – **“Jedi Team” - a group from the Faculty of Medicine Ramathibodi Hospital**



*“Our backpack trip to Cambodia absolutely changed our attitude toward Cambodia. To be honest, we used to think that we would feel scared and insecure staying in Cambodia, but we were wrong. We stayed in Siem Reap for four days and in Phnom Penh for 3 more days. We visited many places such as Angkor City, Cultural Village and Genocide Museum. We also biked and walked around town. We received many smiles and warm welcomes from strangers – this made us feel at home. Cambodian and Thailand have several similarities such as language, physical appearance, food, and especially their smiling faces and kindness. They listen to Thai song, watch Thai drama and*

*surprisingly many of them can speak Thai fluently. This was impressive and made us feel safe while we traveled. Importantly, we realized the truth behind the statement – don’t judge a book by its cover.”* – **“The Weirdos” – a group from the Faculty of Science**

*“We started our journey in Penang. Here we learned about the multi-religious and cultural aspects of Penang, especially from the Buddhist community in Malaysia by seeing the city and participating in activities at Than Hsiang Temple. We also viewed the entrepreneurial and business side of Malaysia in Kuala Lumpur and visited the PT Foundation which helped us realize the*



*real-life problems and views of people living with HIV in Malaysia. Traveling to three main cities in Malaysia really made our group better understand people’s way of life as well as Malaysian history, religions and cultural diversity. We also learned to be positive when circumstances are beyond our control.”* – **“Pops and the Gang” – a group from the Faculty of Social Sciences and Humanities**

# Globalization at Increasing Students' Employability

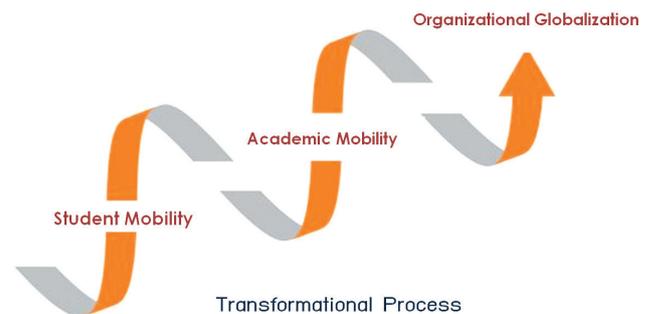
International exchange activities provide students, lecturers and support staff with important study, teaching, and work experience (*the so called hard or academic skills*). However, they can help people develop important soft-skills essential for a career in the modern, global working environment – skills such as creativity, flexibility, independence, and problem solving.

In order to deliver these experiences and develop these critical skills, Mahidol University (and its International Relations Division) have implemented a series of globalization strategies and goals based on the concepts of **Comprehensive Globalization** and **Transformational Process**.

In summary, *Comprehensive Globalization* aims to promote and integrate international and intercultural dimensions into research, teaching, and academic services across the whole university. Meanwhile, *Transformational Process* aims to expand globalization beyond traditional student and academic mobility (such as student and staff exchanges) – to include the creation of long-lasting relationships with international partners (Organizational Globalization).



MU-IR Strategic Plan  
(2016 -2019)



Recent highlights of the transformational approach include:

**Student Mobility** – Through initiatives such as the ASEAN Mobility Program and the Backpack Scholarship (pages 4 and 5) Mahidol University students are gaining a deeper insight into life in fellow ASEAN-member states. In other mobility activities, such as the 2<sup>nd</sup> Asian Undergraduate Summit: Leadership in Complex World: Smart Cities, Smart Citizens and EAT 2015 & 2016, our students are working alongside international students from Singapore, Japan and South Korea to explore smart technology, sustainable urban development and international food culture (see page 10).

Mahidol University welcomes international students to its campus in a wide-range of academic and cultural exchange activities, including the study tour *Globalization, Culture and Ageing in Thailand* – for students from Miami University, Ohio, US. Meanwhile, the Australian Government's *New Colombo Plan* provides international opportunities to Australian students allowing them to study for a semester at various foreign universities (including Mahidol University).

These university-wide, two-way student mobility activities complement the student exchange activities that take place at the faculty-level with numerous institutions from around the world.

**Academic Mobility** – International opportunities are not just limited to our students, as our academic staff can teach or conduct research under various programmes, including the *Australian-Thailand*



# Mahidol University & Raising its International Profile

*Young University Researchers Program* – which sent two young researchers from Mahidol University to Flinders University to conduct research into clean technology. The Australian government’s annual *Endeavour Scholarships and Fellowship* program provides training and exchange opportunities. Other examples include the Mahidol University’s *Fellowship for Visiting Professors or Scholars* scheme, which aims to attract foreign academics to teach and/or conduct research at Mahidol University on a short-term basis.

All of these initiatives help academics share their experiences, knowledge, and ways of working with their international peers, thereby strengthening international bonds – which in turn help further develop teaching and research standards.

**Organizational Globalization** – Mahidol University actively pursues and is exploring international partnerships and exchange activities at the institutional-level with a focus on creating long-lasting and sustainable partnerships. For instance, the university is exploring collaboration with several institutions in the UK under the British Council’s Transnational Education Program. Examples include, Bachelor degrees in Chemical Engineering and Biological and Environmental Sciences with the University of Strathclyde and the University of Sussex respectively and a Master’s in Intellectual Property and Law with Queen Mary University of London.

In addition, Mahidol University is forging new collaborations and strengthening existing ones under multiple projects – many of which focus on the ASEAN region. Examples of these include the *Strengthening Human Rights and Peace Research and Education in ASEAN/Southeast Asia* programme; the *AUN Health Promotion Network*; and the *Mahidol-Norway Capacity Building Initiative for ASEAN* project.

It is hoped that all these international collaborations and partnerships will have individual benefits for all stakeholders. For instance, students will gain valuable international experience and a range of transferable skills that will enhance their employability. Academic staff will extend their network and be exposed to different teaching and research methodology. Administrative and operational staff will learn more about the processes and ways of working at partner universities.

These activities have other collective advantages for the whole university. First of all, they assist in the creation of long-term and productive international relationships. They also raise awareness of Mahidol University, leading to additional international enrollments and exchange activities. Finally, they provide greater opportunities for our academics to co-author papers in peer reviewed international publications, increasing the university’s reputation.

Many of these factors are incorporated into assessments by leading international ranking systems. Therefore, Mahidol University’s focus on Comprehensive *Globalization* and *Transformative Process* is not only providing its students and staff with the essential skills they will need for a career in the 21<sup>st</sup> century, but it is helping boost Mahidol University’s profile and reputation on the international stage.



## University's International Relations Officers in the 21<sup>st</sup> Century



As part of Mahidol University's globalization strategies and goals – and to help cultivate a more international environment within Mahidol University, around 40 international relations officers from across Mahidol University joined a special training program entitled “*University's International Relations Officers in the 21<sup>st</sup> Century*” at the Mahidol Learning Centre.

Organized by the university's International Relations Division, and held for two-days a week from 14<sup>th</sup> – 30<sup>th</sup> June 2016, the event began with a series of special presentations on Mahidol University's globalization and quality assurance policies by Prof. Sansanee Chaiyaraj, Vice President for Research and International Relations & Emer. Prof. M.R. Jisnuson Svasti, Chairperson, MU-IR Policy Making Committee; and Assoc. Prof. Sompop Prathanturug, Vice President for Quality Development respectively.



Other highlights included:

- **“Image and Expertise of IROs as the University Representatives”** – a presentation by Emer. Prof. M.R. Jisnuson Svasti, Chairperson, MU-IR Policy Making Committee
- **“ASEAN Community and Competitive Development of Universities in Thailand”** – a presentation by Khunying Laxanachantorn Laohaphan, Member of Mahidol University Council and Vice President for Administrative Affairs, Chulabhorn Research Institute
- **“Roles of the ASEAN University Network in Developing Higher Education in the Region”** – a presentation by Assoc. Prof. Nantana Gajaseni, Executive Director, ASEAN University Network
- **“Globalization and Diplomacy in the Ministry of Foreign Affairs' Perspectives”** a presentation by Mr. Somsak Saicheua, Director-General, Department of American and South Pacific Affairs, Ministry of Foreign Affairs
- **“Global Vision, Knowledge and Awareness: Key Toward Successful Globalization”** – a presentation by Dr. Charles Henn, formerly of the Law Faculty, Chulalongkorn University, Thailand; Senior Fellow, Graduate School of Political Science and International Studies, University of Birmingham, UK; Consultant Prof and MA in Global Affairs, Program Director, Department of Economics and International Studies, University of Birmingham, UK
- **“Transnational Education and QAA”** – a presentation by Dr. Rapee Bonplueang, Assistant to the President for International Relations
- **Workshops** on English writing and communications, presentation and discussion skills, the ASEAN community (and the role of higher education) and funding & scholarship opportunities.

The event concluded with a series of group presentations, in which participants shared their insights into the valuable role that international relations officers play in a modern university.

## Advances in Road Safety and Translational Research at The Department of Biomedical Engineering



Research at Mahidol University has always aimed to tackle some of modern society's most important health, scientific and social challenges. Increasingly, this has been achieved through the commercialization of research findings and their development to the pilot or prototype stage – a process known as *Translational Research*. Often this requires collaboration with the private sector and the creation of start-up companies and public-private partnerships<sup>1</sup>. In this issue of *Spectrum*, we talk to Asst. Prof. Yodchanan Wongsawat from the Faculty of Engineering's Department of Biomedical Engineering, the founder of *Finest Med Design*, about their latest product – the sleep-alarm system for drivers known as *Alertz*.

### **Spectrum: What is Alertz and how does it work?**

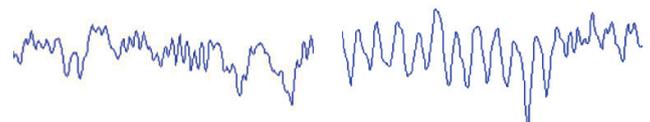
*Alertz* is wearable technology for use in the transport industry. In many countries, truck drivers have to travel long-distances, often becoming tired. This of course can lead to accidents. *Alertz* senses when the driver is becoming fatigued. It does this by monitoring electrical signals produced by the brain through sensors embedded in a headband. These amplify the brain's signal and relay this to a small processor. After an initial calibration to establish a baseline, the sensors can identify if the driver is becoming tired. If so, electronics in the headband emit a vibration, alerting the driver to their condition, allowing them to take the appropriate action.

As *Alertz* identifies drowsiness by monitoring the brain's electrical activity, it recognizes when a driver is becoming sleepy before their behavior changes. This provides several advantages over other systems that rely on identifying the physical symptoms commonly associated with drowsiness, such as drooping eyelids or head nods. *Alertz* can therefore be considered a preventative technology.

The innovative device originates from our departments' background in neuro-engineering research, which includes research into brain-technology interfaces, such as brain-controlled wheelchairs.



ALERT



Alert

Drowsy

### **You've founded a start-up company? Can you tell our readers the advantages of doing this?**

To produce *Alertz*, we need to mass produce electronic components. So, we invited an electronics company to form a start-up company called *Finest Med Design* with us. Fifty percent of the company is owned by students who were involved in the initial research and development, while the other half is owned by the electronics company. This has proved to be a successful partnership – they provide the expertise necessary for the mass production of electronics, while we continue to develop the product.

### **How has Mahidol University helped with this process?**

Mahidol University has supported us since the beginning by providing initial investment funding and by helping us with issues related to intellectual property and patent application. This financial support and advice has helped us commercialize our product.

### **Can you tell our readers more about the Department of Biomedical Engineering?**

The department reflects Mahidol University's commitment to finding solutions to some of society's most important health-related issues. It has a strong research focus and national and international reputation. In addition to the development of brain-controlled and monitoring devices, the department conducts research into Neuroengineering, Rehabilitation Engineering, Artificial Organs, Medical Robotics, Tissue Engineering and Drug Delivery System, Biosensors, and Artificial Intelligence in Medicine and Medical Instrumentations.

To learn more about the work of the Faculty of Engineering's Department of Biomedical Engineering, please visit <http://www.eg.mahidol.ac.th/dept/egbe/weben/>



<sup>1</sup> Other examples of these include Thailand's first biopharmaceutical company - Siam Bioscience Co., Ltd; the Global Innovation Incubator; the Centre for Advanced Medical Robotics, and M-CLEA Bioresource Co., Ltd.

# MU Students

## *International Student Summit - Smart Cities and Citizens*

From 12<sup>th</sup> – 18<sup>th</sup> June 2016, ten undergraduate students from the National University of Singapore joined ten Mahidol University students for the first leg of the 2<sup>nd</sup> Asian Undergraduate Summit 2016 – *Leadership in a Complex World: Smart Cities, Smart Citizens*. This event follows in the footsteps of last year’s successful summit on the *food, water and energy nexus*, and was once again organized by the NUS Students’ University Scholars Club and Mahidol University’s International Relations Division.

Students heard from experts from across Thailand, who are helping to guide the development of smart technologies and environments. Through a wide range of activities, they were able to learn more about the Thai government’s policies and initiatives concerning smart cities and associated technologies – as well as its plans for a digital economy and society. The following month, students traveled to Singapore to take part in the second leg of the summit; where they were able to learn more about its technological initiatives. Students could then compare and contrast the different approaches to smart-cities adopted by the two countries.



*Students learn more about SCG Heim’s smart homes and technologies.*

*The Royal Thai Government’s Smart City initiative and pilot projects intend to connect human and social capital with ICT infrastructure in order to sustainably address public concerns and increase people’s quality of life. Projects have been launched in Central, Southern and Northern Thailand in Nakhon Nayok, Phuket and Chiang Mai respectively.*



## *EAT 2016 -Exploring Asian Traditional and Contemporary Food Cultures in Asian Cities*



From 1<sup>st</sup> – 8<sup>th</sup> August 2016, in Fukuoka, Japan; and 8<sup>th</sup> – 15<sup>th</sup> August 2016 in Seoul, South Korea, ten Mahidol University students joined the EAT 2016 programme – *Exploring Asian Traditional and Contemporary Food Cultures in Asian Cities*.

This annual event allows students to learn more about the food culture of each host country, and is a partnership between three universities – Fukuoka Women’s University

(FWU), Japan; Ewha Womans University, South Korea; and Mahidol University, Thailand.

Each year two of the partner institutions develop a two-week programme – with this year being the turn of FWU and Ewha to co-host the program under the theme of “Noodles”. Activities included a series of lectures, cooking demonstrations, and field trips to famous food companies in both Japan and South Korea.

# International Cooperation

## AASIC 2016

Serving as a platform to bring Asian nationals and researchers together, Mahidol University was the proud host of the 4<sup>th</sup> Asian Academic Society International Conference (AASIC). Held under the theme “Globalizing Asia: Integrating Science, Technology and Humanities for Future Growth and Development”, the two-day event (at the Mahidol Learning Centre from 12<sup>th</sup> – 13<sup>th</sup> May 2016) was organized by the Overseas Indonesian Student Association in Thailand (PERMITHA) and supported by the Embassy of the Republic of Indonesia.

The conference provided an opportunity for participants to engage in cultural exchange activities and gain a deeper understanding of some of the region’s most important issues with a view to influencing national government and policy makers. Welcome speeches included those by Clin. Prof. Udom Kachintorn, President of Mahidol University, and the Deputy Chief of Mission of the Embassy of the Republic of Indonesia, who represented Indonesian Ambassador, H.E. Bebeb AKN Djunjunan. Keynote speakers included Ms. Porntip Kanjananiyot, Former Fulbright Thailand Executive Director.

AASIC is an annual event created by PERMITHA which aims to share knowledge and experience in science & technology, health, and humanities. Previous year’s events were held at Prince of Songkla, Kasetsart and Chulalongkorn Universities respectively.

To learn more about AASIC, please visit <http://aasic.org/>



## The Mahidol and Strathclyde Engineering Symposium 2016



As part of Mahidol University’s support of the government’s “Thailand 4.0 policies”, on August 18<sup>th</sup> 2016, Assoc. Prof. Pradit Somprakit, Vice President for Finance and Planning, Mahidol University opened the “Mahidol and Strathclyde Engineering Symposium 2016”.

Hosted by Mahidol University’s and the University of Strathclyde’s, UK, Faculties of the Engineering, the event brought together more than 200 people – including students and staff from some of Thailand’s leading high schools and universities (such as Mahidol Wittayanusorn School, Assumption College Thonburi, and Kanjanapisek Witthayalai Nakornphathom School).

The event was overseen by Asst. Prof. Jackrit Suthakorn, Dean of Faculty of Engineering, Mahidol University and Prof. Alex Galloway, Vice Dean of Engineering, University of Strathclyde, who were joined by Ms. Uraiwan Samolee, Head of the British Council’s Education Department.

During the event, the newly established Dual Bachelor degrees between the two universities in Biomedical Engineering and Chemical Engineering were introduced – the development of which was supported by the British Council. It is expected that these will be followed by dual Master’s and Doctorate degrees in these subjects.



# Network and MU Contacts

## *Distinguished Visitors to Mahidol University*



15-07-16

Clin. Prof. Udom Kachintorn, President; Prof. Banchong Mahaisavariya, Vice President; and other leading university executives, met with a delegation from China Medical University, Taiwan, led by Prof. K. S. Clifford Chao, Vice Chancellor. During the meeting, which took place at the Office of the President, the group discussed potential areas of collaboration in the fields of public health and medicine (including traditional medicine). After lunch, the group took the opportunity to visit the Golden Jubilee Medical Centre and its traditional Thai medicine facilities.



24-06-16

Prof. Sansanee Chaiyaraj, Vice President for Research and International Relations, and Mahidol University executives and academics welcomed a delegation from Liverpool John Moores University, UK led by Dr. Edward Harcourt, Pro Vice Chancellor, External Engagement. During the working lunch, held at Mahidol University International College, the participants explored and discussed ways to expand collaboration between the two institutions.



17-06-16

Mahidol University executives, led by Clin. Prof. Udom Kachintorn, President, plus friends of Mahidol University from the fields of medicine, public health and research in Thailand, welcomed Prof. Francis S. Collins, M.D, Director, the National Institutes of Health (NIH), Maryland, US; and Prof. Roger I. Glass, Director of the Fogarty International Center and Associate Director for International Research, (NIH). Topics discussed during a working lunch and dinner included research into the human genome and potential areas of collaboration between institutions from the two countries.



02-06-16

Mahidol University was delighted to welcome His Excellency Mr. Pitchayaphant Charnbhumidol, Ambassador from the Royal Thai Embassy to the Federative Republic of Brazil, and Mr. Paween Buskornreungrat, Third Secretary. The guests were welcomed by Clin. Prof. Udom Kachintorn, President; Prof. Sansanee Chaiyaraj, Vice President for Research and International Relations; Assoc. Prof. Kampanad Bhaktikul; Dean of the Faculty of Environment and Resource Studies; and several university executives and faculty representatives. During the meeting, which took place at the Office of the President, the group discussed collaboration with Brazilian institutes in tropical medicine, medical science, environmental issues, biotechnology, agriculture (including the control of fruitflies), technology-transfer and biopharmaceutical production.



04-04-16

Assoc. Prof. Sophana Srichampa, Director of the Research Institute for Languages and Cultures of Asia presided over an opening ceremony for the “*Eight professions mobility in ASEAN community after year 2015: Opportunities and development*” seminar. The aim of this event was to discuss issues related to the mobility of professionals from the fields of engineering, nursing, architecture, surveying, accountancy, dentistry, tourism, and medicine within ASEAN. The seminar was attended by experts in many of the above fields, including Dr. Somsak Lolekha, President of the Medical Council of Thailand, Dr. Adirek S. Wongsu, President of the Dental Association of Thailand, Capt. Wilailak Palakawong Na Ayutthaya, W.R.T.N., Chair of Nursing Services and the Nurses’ Association of Thailand, Mr. Sunantapat Chalermpanth, Executive Committee member of the Association of Siamese Architects under Royal Patronage, and Mrs. Wilai Chattanratsamee, Secretary of the Federation of Accounting Professions.

