

# The UMP Edge

Universiti Malaysia Pahang

University Ranking Newsletter

**MTUN – Industry Smart Partnership Forum**

**Technical Expert**



Malaysia Technical University Network (MTUN) is urged to continue working with the industry to ensure industry related issues.

According to Deputy Director General, Department of Higher Education, Ministry of Education, Professor Dr. Mohd. Zaini Md. Yusof, universities smart partnership particularly with MTUN should be intensified to encourage the industry to contribute their expertise and equipment as practiced in developed countries.

"This is what Taiwan, Korea or Germany has been doing all this time with their smartphone technology. A university-industry smart partnership could be implemented so that every research could benefit all parties."

In addition, the new focus of the country's education was on Technical and Vocational Education and Training (TVET) which is facing greater challenges facing as a result of the Industrial Revolution 4.0 (IR4.0) explosion.

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He is proud of UMP's first attempt to address this challenge with the implementation of the IR4.0-based tea

Professor Dr. Mohd Cairul Iqbal officiated the opening ceremony of the 11th Malaysian Technical Universiti (MUCET). MUCET, hosted by Universiti Malaysia Pahang (UMP) was held at Bukit Gambang Resort Kuantan.

With the theme 'Communitising Technology in the Context of Industrial Revolution 4.0' this MUCET conference gathered students, industry players and academics from UMP, Universiti Tun Hussien Onn Malaysia (UTHM), Universiti Teknikal Malaysia Melaka (UTeM).

The ceremony were also attended by UMP Board of Directors, Professor Dato' Dr. Rosli Mohd. Yunus (Research and Innovation), Professor Dr. Kamal Zuhairi Zamli and Deputy Vice-Chancellor (Student Affairs and Alumni), Prof.

Director of UTHM Research Management Centre, Professor Dr. Mohd. Amri Lajis, Director of UTeM Centre for Research and Innovation (CRIM), Professor Ir. Dr. Marizan Sulaiman and Deputy Dean of Research Management and Innovation (RMI) were also in attendance at the event.

Keynote speaker for the conference were Professor Seeram Ramakrishna from National University of Singapore, Dr. Rani from Techno Diverge Link Sdn. Bhd. and Mohd Parid Sulaiman, Director of Product Technology Development.

A Memorandum of Understanding (MoU) was also exchanged between UMP and BI Technologies Sdn. Bhd., Supercat International Sdn. Bhd. UMP was represented by Deputy Vice-Chancellor (Research and Innovation), Professor Dr. Mohd. Amri Lajis, Director of UTHM Research Management Centre, Professor Dr. Mohd. Amri Lajis, Director of UTeM Centre for Research and Innovation (CRIM), Professor Ir. Dr. Marizan Sulaiman and Deputy Dean of Research Management and Innovation (RMI). BI Technologies Sdn. Bhd represented by Director, Mr. Mohd Podzi bin Haji Mahmud, Sime Darby Bhd. Director, Mohammad Saiful Nidzam Ismail and Supercat International Sdn. Bhd. represented by Director, Mohd Dzulkefly bin

\*credit to Pekan Review

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## **UMP, SIASUN Seal Strategic Collaboration in Research and Services Development**

MEMORANDUM OF UNDERSTANDING  
SIGNING CEREMONY

UNIVERSITY MALAYSIA PAHANG  
AND SIASUN AUTOMATION SINGAPORE

5 DECEMBER 2019, SHENYANG, CHINA

**SIASUN**

Universiti  
Malaysia  
PAHANG



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The strategic collaboration between Universiti Malaysia Pahang (UMP) and SIASUN Robot & Automatic which is a high-tech company, will form a value chain that encompasses core technologies and components particularly in the robotic-related service industries.

Today, the global market value of SIASUN is the third in the robotics industry with the fastest growth rate.

This collaboration will focus on the development of expertise in teaching factory model to support the initial (MOE), namely University Teaching Revolution Factory (URTC) related to the Fourth Industrial Revolution (I4.0).

The signing ceremony of the Memorandum of Understanding (MoU) was represented by the Vice-Chancellor, Prof. Dr. Wan Yusoff and the Chief Executive Officer of SIASUN, Mr. Zhao Chen, on 5 November 2019.

Also present were the President of SIASUN Education Shenyang, Cun Yan Fan, the Deputy Vice-Chancellor, Dr. Mohd Rosli Hainin and the Vice-President of Teutloff German TVET Institution, Andy Pan.

According to Professor Ir. Dr. Wan Azhar, this collaboration is a continuation of SIASUN's visit to UMP recently.

"This collaboration will train skilled workers to strengthen skills and training in the high level of Technical (TVET), along with the lifelong learning programmes through strategic collaboration with global companies.

"In developing a sustainable ecosystem of high impact technology innovations, UMP also partners with SAPURA for the project of Asia Center of Excellence for Smart Technologies (ACES) based in Singapore and China.

He hopes that the collaboration will open up strategic collaboration opportunities to adapt more relevant, reliable and effective methods that everyone can benefit from.

The delegates of UMP and SAPURA also had the opportunity to visit several high-tech industrial robotic laboratories.

A discussion was also held on the collaboration in academics and research with the Shenyang Institute of Technology, SIASUN Research and Development Centre and the Liaoning University of Technology.

Joining the delegation were the Senior General Manager (Technical & Operations) of Sapura Industrial Centre of Industry and Community Network (ICoN), Associate Professor Ir. Dr. Nurul Hazlina Noordin and Associate Professor Ir. Dr. Halim Baharom.

\*credit to UMP Review

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## **UMP Awarded with SEDA Accreditation for Engineering Programmes**



Universiti Malaysia Pahang (UMP) bagged the One Diamond Award for Low Carbon Buildings Assessment Authority (SEDA) on December 13, 2019.

UMP became the first university in the country to receive such an award for efforts taken that had success in energy consumption, the use of renewable energy and reduce carbon dioxide gas emission. Green practice initiatives among Malaysians are highly encouraged especially when implementing 'energy efficiency'.

'Energy efficiency' is the ultimate goal in effective and optimal energy consumption management, thus reducing energy waste.

Among the 'energy efficiency' practices that can be implemented are by replacing less efficient electrical equipment with more efficient ones, decreasing burden on mechanical equipment as it requires more energy to function, upgrading the roofing and insulation, having a good ventilation system and using energy-saving control systems for all electrical appliances.

UMP Energy Focus Group Leader, Professor Ir. Dr. Hassan Ibrahim said energy efficiency was often associated with cost reduction in order to complete certain work and to increase the chances of saving and avoiding wastage.

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"By applying energy conservation concept, it involves three categories – energy saving exercises with no cost, low cost and high cost."

"To date, UMP is only applying energy saving practices through the concept of no cost and low cost."

"The university has managed to reduce carbon dioxide emission by 7.89 percent, which is equivalent to 8,000 tonnes of CO<sub>2</sub> and save power up to 1,273,585 kWh at its UMP Pekan Campus."

"It is a result from the awareness among campus community to conserve power in campus and through their attitude and discipline about the importance of sustainable energy," he said.

In a move to ensure energy sustainability, the Unit of Sustainable and Green Campus was established under the Office of the Vice-Chancellor for Research and Development (PPPH) so energy management could be carried out in line with that of the university's aspiration.

Other initiatives implemented in UMP included the installation of various devices such as the Building Management System (BMS) lighting system in all toilets, timers at all walkways, a 'master switch' at bigger buildings and solar panels as well as replacing of light bulbs to the energy-saving ones.

UMP has also taken the initiative in energy management by setting air-conditioning temperature at 24 degrees Celsius, saving in energy consumption without compromising the comfort of the users.

The university has embarked on energy management and conservation initiatives since 2012 and to date, various measures have been implemented, in a bid to reduce carbon dioxide emission in UMP Pekan Campus.

These efforts have also contributed to the university's achievement in the UI-GreenMetric World Ranking 2018, where UMP was positioned at the 76th place in the world listing.

The rating was based on the measures taken in managing campus sustainability and environment that were categorized into six main areas: Environment, Energy, Waste, Water, Transportation and Education.

\*credit to Pekan Review

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## **Prof. Ts. Dr. Mohd. Rosli Hainin Appointed as the New Vice-Chancellor (Academic and International)**



The Ministry of Education has appointed Professor Ts. Dr. Mohd. Rosli Hainin as Universiti Malaysia (Academic & International) for three years effective from November 1, 2019 until October 31, 2022.

Professor Ts. Dr. Mohd. Rosli Hainin, 52, who is from Temerloh, Pahang, has a Doctorate Degree in Civil Engineering and Asphalt Technology (NCAT), Auburn University, Alabama, USA - a prominent research centre in highway engineering.

He also has a Master's Degree in Civil Engineering from University of Kansas, USA (1996), a Bachelor's Degree from University, South Carolina, USA (1990) and Diploma in Science from Indiana University, USA (1987).

He has vast experience in academics and research and has worked with Universiti Teknologi Malaysia (UTM) for 30 years.

Prior to this appointment, Professor Ts. Dr. Mohd. Rosli was the Vice-Chairman of UTM School of Civil Engineering and academic and student development.

He was also the Associate Research Fellow at UTM Tropical Geoengineering Centre (GEOTROPIK), Chief of the Transportation Research Group Chief for five years and UTM Book Publication Panel Chairman for four years.

He was the Head of Department of Geotechnical and Transportation for five years and Deputy Academic Dean for three years.

He has published 400 articles including 260 journals with H-Index 26.

UMP Vice-Chancellor, Professor Ir. Dr. Wan Azhar Wan Yusoff said the university was pleased and thanked the

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Malik for the appointment.

"It is hoped that with the appointment, UMP will continue to be excellent and be a leading technology especially in providing a solid and high level of Technical Education and Vocational Training (TVET) in the country."

"UMP will always make certain that its academic curriculum is designed more innovatively and its academic programs are based on industrial needs and one that contributes to the efforts taken to communitise technology in the country."

\*credit to Pekan Review

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