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PEKAN REVIEW

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Bridging Universiti Malaysia Pahang to the world community

**iMEC-APCOMS 2019 the best platform to exhibit industry and
research product**

By: DR. NURRINA ROSLI, SECRETARIAT IMEC 2019

Edited by: NADIRA HANA AB HAMID, EXECUTIVE, FACULTY OF MANUFACTURING AND MECHATRONICS

Faculty of Manufacturing and Mechatronics Engineering Technology (FTKPM) has successfully organized the 4th International Manufacturing Engineering Conference (iMEC) 2019 on 21st to 22nd August 2019 at The Everly Hotel, Putrajaya, Malaysia.

For the third time, iMEC is co-organized with 5th Asia-Pacific Conference on Manufacturing System (APCoMS) 2019 at Bandung Institute of Technology (ITB), Indonesia.

This is an extended collaboration between UMP and ITB, which is purposely to intensify knowledge sharing between the two leading institutions in Malaysia and Republic of Indonesia.

This year, the conference brought 'Intelligent Engineering & Sustainable Development' as the theme to discuss the latest development in technology in global manufacturing towards Industry 4.0.

With aim to become the platform for researchers, academicians, scientists, students, engineers and practitioners to present their latest findings, ideas, developments and applications related specifically to manufacturing engineering, this conference this year has successfully attracted more than 100 local and international participants including

The 4th iMEC 2019 has invited submission of high quality research papers reporting original work on, but not limited to, Manufacturing Materials, Manufacturing Processes, Manufacturing Automation and Manufacturing System.

The officiating event was carried out by the Member of UMP's Board of Director, Professor Dato' Ts. Dr. R.

The keynote sessions were held by the speech of Professor Ir. Dr. Bermawi P. Iskandar from Bandung Institute of Technology, Mohd Nazar from Malaysia Automotive, Robotics and IoT Institute and Associate Professor Ir. Dr. Ahmad Firdaus from Universiti Malaysia Pahang (UMP) for Mechatronics Engineering Technology.

The organizing committee was also proud with the presence of FTKPM's Industrial Advisory Panel from M-TRONIC Triple EEE Sdn. Bhd. during the opening ceremony.

This two-days conference has successfully brought together local and international academicians, researchers and practitioners to share their latest findings, ideas, developments and applications as well as industrial exhibitions related specifically to the conference theme and related research areas. Participants also enjoyed the sight-seeing tour scheduled by organizing committee.

It is hoped that with the success of this fourth conference, Universiti Malaysia Pahang (UMP) will be one of the leading universities in the field of manufacturing engineering thus creating a strong academic network among researchers in Malaysia and overseas.

Creating new technology for student preparation to the future

By: NUR SA'ADATUL AFZAN JUSOH, CORPORATE COMMUNICATION DIVISION

Translated by: DR. ROZAIMI ABU SAMAH, FACULTY OF CHEMICAL AND PROCESS & ENGINEERING

Since the advent of the Fourth Industrial Revolution (IR 4.0) in the mid-2016 with automation technology, it has transformed the way we live and work, particularly in the country's service and industrial sectors.

It demands a change in all aspects of digital transformation to remain competitive and accelerate the productivity of the economy. This is because the revolution has a direct impact on the future of the current working environment.

Robotics technology, Internet of things (IoT), artificial intelligence (AI), data analytics, image processing, big data, three-dimensional (3D) printing, cybersecurity, simulation and digital system integration are among the major technologies that have transformed the way we live and work, particularly in the country's service and industrial sectors. These technologies have replaced or transformed over the existing job functions and systems.

Among the areas that have also moved forward with the development of this revolution is education, which has been transformed by the use of new technologies. This is because the revolution has changed the way we learn and work, particularly in the country's service and industrial sectors. The revolution has also changed the way we live and work, particularly in the country's service and industrial sectors.

In higher education, for example, it revolves around talent development and the areas of new technology, namely talent, process and technology.

Penang Skills Development Centre Chief Executive Officer, Muhamed Ali Hajah Mydin outlined three key areas of focus for the revolution, namely talent, process and technology.

"Talent focuses on individuals and entire organisations by emphasising strategies for creating a relevant wo

"Meanwhile, technology focuses on AI, networking and automation technologies at three different levels of systems involved in the operation, supply chain and product lifecycle," he said.

However, he mentioned that we would also face some challenges that have been identified, especially from institutional levels.

"For example, the industry will face new and incompetent graduates; the challenges of today's graduates are unstructured and unstructured three to six months of industrial training.

"In fact, the Generation Y and Z graduates are faced with less exposure to real-world situations where they lack collaboration and problem-solving skill," he said.

Therefore, he also advised graduates to be exposed to industrial psychology.

Meanwhile, he added, the government is receiving pressure from the manufacturing industry, especially in the area of human resource matters.

"The involvement of various ministries such as the Ministry of International Trade and Industry (MITI), the Ministry of Human Resources should also be well coordinated.

"Meanwhile, at the institutional level, such as universities and polytechnics, challenges exist in terms of technological change but at the same time bound to the requirements of the Malaysian Qualifications Approval and Development," he said.

Muhamed Ali also suggested that the higher education system might require some changes as lecturers can introduce something new together.

He attended the Professional Talk Series titled 'Transition Preparation: Talent, Technology, Process' organised by the Industry & Community Network Centre (ICoN) at the ICoN Seminar Room, UMP Gambang Campus on 24 September 2019.

Also present was the Director of the Industry & Community Network Centre (ICoN), Associate Professor Dr. Mohd. Raizalhilmey Mohd Rais, UMP associates and other educational institutions around Kuantan.

Amirah Ibrahim, a student of the Faculty of Mechanical and Automotive Engineering Technology, thinks that the new knowledge on technology, mainly on how the IR 4.0 migration process can be implemented successfully.

"It can provide ideas and inspiration to motivate students and encourage them to invent or improve technology.

Four-Week Mandarin Study Programme in China

By: YONG YING MEI, DIRECTOR OF UMP CONFUCIUS INSTITUTE

The Confucius Institute (CI) of Universiti Malaysia Pahang (UMP) organised a four-week Mandarin study programme in Harbin, China from July 22 until August this year.

It was the first programme organised following the signing of a Memorandum of Agreement (MoA) with Harbin Normal University in 2018.

Fifteen students from CI were sponsored for the programme, which was held during summer, under the Co-operation Agreement between CI and Harbin Normal University.

Thirteen of them attended the programme in Hebei University (HBU), China starting from July 22 until August 10, 2019. The other two students attended the programme in Beijing Foreign Studies University (BFSU), China from July 28 until August 24, 2019.

They studied the Mandarin language and Chinese culture as well as attended workshop, sat for tests and visited historical sites.

They were exposed to various components of the Chinese culture such as the martial art of *wushu* and *taolu*, Chinese calligraphy, Chinese tea, folk songs, arts of paper cutting, traditional knots, painting and dumplings and water-pumpkin lanterns.

The students learned a lot and had a great time studying about China, its people and culture and were full of admiration for the Chinese culture.

In wrapping up the programme, CI Director, Yong Ying Mei congratulated the students who had passed the

She also expressed her gratitude to CI Administrative Assistant, Nornashua Farhani Abdul Ghaffar for smoothly for the students who attended the programme.

Yong said Nornashua had helped with the application of the scholarship and other matters so the students

Talk on the End of the World at *Mahabbah* Carn

By: NUR SA'ADATUL AFZAN JUSOH, COMMUNICATION CORPORATE DIVISION

Muslims have always been reminded about Dajal, the evil figure that will appear towards the end of the world, and that every Prophet and Rasul knows about Dajal.

Among the powers that Dajal is said to have is to be able to turn a barren land into a fertile one, cure a sick

Prophet Muhammad S.A.W, even prayed hard to Allah for His protection against the evils of Dajal and told

This was the introduction remark by Senior Assistant Director, Department of Wakaf, Zakat and Hajj (JAWH) in a talk titled, *Akhir Zaman* (End of the World) that was held at Tun Fatimah Hall, UMP Gambang Campus on Saturday.

He said that in their lives, people would face five things – the Satan, Jinn, Qarin, lust and the humans themselves would force them to do things forbidden by the religion.

“Only *iman* can help prevent us from getting swayed by these temptations and seductions. Daily *zikir*, saying the names of Allah and His angels, will also help us to seek His protection against these lures,” he added.

On the major signs of the end of the world, Ustaz Mohd Meeftah said apart from the emergence of *Dajal*, there would also be smoke or *Dukhan* that covered the earth, blocking the sun and causing extreme weather changes.

The haze that occurred in this country and that of the neighbouring country was just a fraction of *Dukhan*, he said.

“Allah S.W.T. will also send Prophet Isa a.s to a white tower at the east of Damascus, with two angels to escort him. He will also send two angels to escort the two servants of Allah, those who are pious and obedient to Allah.

“After Dajal is destroyed, Yakuj and Makuj will appear and these creatures are horrendously mighty to a point where they will not be able to be destroyed. They will then send down a disease that will cause the creatures to die,” he added.

He also said the sun would rise from the west but prior to that, the world would be in darkness for two or three days. “When the sun rises from the west, Allah S.W.T. would have, by then, firmly close the gate for repentance.

“The next sign will see the emergence of a four-legged creature from earth, *Dabbah*, which will meet and attack the people. The people will then understand. The creature will bring along two tools – the stick of Prophet Musa and the ring of Prophet Isa a.s.

“If the creature approaches someone and extends the stick of Prophet Musa, the face of the person will turn black. If the creature extends the ring,” he said.

Ustaz Mohd Meeftah also said earthquake would happen three times that would eventually led to its destruction.

“The earthquake will happen in the west, east and in the Arab countries. The biggest sign is the tenth sign which is the gathering of the humans to an assembly point.

“Whatever it is, Muslims should be prepared, be faithful, pious and virtuous as these are the sanctifications of Allah. No one else knows it better except for Allah S.W.T.” he added.

The audience that came to listen to the talk comprised staff and students of UMP and representatives from various countries.

Among those in the audience were six non-Muslim students and one of them was Eugene Leong Kai Yi, a student of Chemical and Process Engineering Technology who came with her friends to learn about Islam and the *akhirat*.

Nolia Jusoh from Jaya Gading said programme such as this served as a good reminder because being reminded of the

careless and loose.

She hoped that the Islamic & Human Development Centre (PIMPIN) would continue to organise programme

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