

Welcome to the  
AMMP CENTRE Bulletin.

This months issue :

- ♦ AMMP 'Teh Tarik' Session
- ♦ Industry 4.0 Seminar
- ♦ AWANI Agenda : Myren-X
- ♦ PECIPTA2017
- ♦ A visit from AMTEX, UiTM
- ♦ Visiting Student from Morocco
- ♦ GEC2017
- ♦ ICoSEM2017
- ♦ ICMMP2017
- ♦ ANEMS2017
- ♦ UM Excellent Awards 2017
- ♦ ICoSEM2017's Workshop

## AMMP 'Teh Tarik' Session



The first AMMP 'Teh Tarik' session was held on the first week of November 2017. AMMP members discussed matters on research grants and shared experiences on their current projects and researches. This session was beneficial to the AMMP members and will be conducted again in the future.

## Industry 4.0 Seminar

The Seminar on Fourth Industrial Revolution (FIR 4.0) was organized by the Ministry of Higher Education Malaysia (MOHE) with the theme of "Redesigning Higher Education Towards Industrial Revolution 4.0". The main objective of the Seminar is to strengthen understanding and identify issues and challenges related to human capital development in the country in addressing the global challenges of the Industrial Revolution 4.0.

One of the outcomes of the seminar is to produce a concrete framework on HE and Industry. This framework will be the benchmark in preparing Malaysia's HE sector in achieving and meeting the new era of industrial revolution.



## AWANI Agenda : Myren-X



Prof. Ir. Dr. Mohd Hamdi Abd Shukor and Dato' Kamel Bin Mohamad held a discussion with the program host of AWANI Agenda: Myren-X regarding the trend of future education and research. Please click <http://www.astroawani.com/video-malaysia/agenda-awani-myren-x-memperkasa-pendidikan-pemylidikan-masa-hadapan-175776#.Wd7LxpFK2Mk.facebook> to watch the full video.

## PECIPTA2017

We would like to congratulate AMMP members who won the award during the International Conference and Exposition on Inventions by Institutions of Higher Learning (PECIPTA2017). Prof. Ir. Dr. Hamdi Abd Shukor and Dr. Mohd Sayuti Ab Karim won Gold Medal for each of their projects while Assoc. Prof. Dr. Farazila Binti Yusof won a Silver Medal. Last but not least, Assoc. Prof. Ir. Dr. Bushroa Abdul Razak attained a Bronze Medal. UM's researches managed to grab a total of 21 awards. Congratulations to all the winners and we hope for more recognitions in the future.



## A visit from AMTEX, UiTM



On 2 November 2017, Advanced Manufacturing Technology Excellence Centre (AMTEX), UiTM visited AMMP Centre to discuss on possible research collaboration on joining and forming technology. Five delegate members from UiTM - headed by Assoc. Prof. Dr. Ing Yupiter Manurung and three other researchers from Chemnitz University of Technology, Germany - presented their ongoing research on Virtual Manufacturing. The meeting was concluded with an agreement to explore research topic involving numerical analysis for dissimilar welding and forming process of aluminium alloy.



## Visiting Student from Morocco

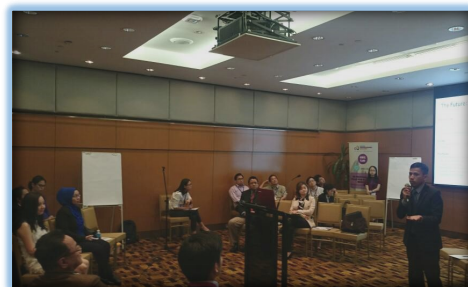


Zynep Zennour started her project on "The Readiness of Implementing Industry 4.0 Technologies among Aerospace Industries in Malaysia". She was at AMMP from 30th of June 2017 until the end of September 2017.

We are glad to meet you. Till we meet again Zynep Zennour. Goodbye and all the best in your future.

## Global Entrepreneurship Community Summit (GEC2017)

Global Entrepreneurship Community Summit was hosted by the Ministry of Finance (MoF) and Malaysian Global Innovation & Creativity Centre (MaGIC). It was a massive gathering of local and international ecosystem influencers, startup communities and industry leaders. This summit served as a great platform to participate, network and promote businesses. Dr. Sayuti was one of the panelist and he presented "3-D Printing Pills for Precision Medicine".



## ICoSEM2017



This year, the 3<sup>rd</sup> International Conference on the Science and Engineering of Materials 2017 (ICoSEM 2017) was organized by Centre of Advanced Manufacturing and Materials Processing (AMMP) and Centre of Advanced Materials (CAM). This conference successfully generated potential collaborations and created an environment for knowledge sharing among researchers, academicians and industrialist. The two-days conference (24-25<sup>th</sup> October 2017) was attended by 93 participants from Nigeria, Korea, Japan, Indonesia, India,

Philippines and local universities. This biennial conference aims to provide a platform for scientists, researchers, engineers, and students within the region to exchange knowledge on the recent development and progress in the field of Materials Science and Engineering. The conference was successful and we hope to see you again next year! For more photos please visit <https://www.facebook.com/AMMPCentre/>.

## ICMMPE2017



Several AMMP Members participated in the 3<sup>rd</sup> International Conference on Mechanical, Manufacturing and Process Plant Engineering (ICMMPE 2017) which was held in Batu Ferringhi Beach, Penang, Malaysia on the 22<sup>nd</sup> – 23<sup>rd</sup> of November 2017.



Assoc. Prof. Dr. Farazila Yusof was the chairman while Dr. Ridha was presenter and session chair in this conference. ICMMPE 2017 aims to bring together the academic and industry experts from all over the world to exchange information and achievements especially in mechanical, manufacturing and process plant engineering field. This conference provides an opportunity for discussing and working out solutions to tackle the existing and emerging problems in the industry.

## ANEMS 2017

Advanced Nanotechnology in Engineering and Medical Science Conference (ANEMS 2017) was held at Holiday Villa Beach Resort & Spa Langkawi, Malaysia on 19th - 23th November 2017 in conjunction with the International Scientific Forum Program (ISFP). The conference was co-organized by University of Malaya, AMMP Centre and Arab Researcher iD. Nanoelectronics, advanced nanomaterial and nanotechnology were topics of interest during the conference. About 40 participants from Qatar, Indonesia, Iraq and Malaysia was involved in ANEMS 2017.



All selected papers will be published in the American Institute of Physics (ISI Proceeding and Scopus-Indexed). One of the notable keynote speaker was Prof. Syed Javaid Zaidi from Qatar University.



## UM Excellence Awards 2017

University of Malaya Excellence Awards 2017 is an annual award given to recognize outstanding performance and contribution of the staffs in the university. Now in its 8<sup>th</sup> year, a total of 26 categories and 1 special category was nominated. A total of 54 individuals were selected as recipients of 2017 UM Excellence Award.

Pro-Chancellors of the university awarded two members of AMMP Centre for their contributions. Mr Mohd Fadzil Jamaludin obtained the prize of the “Excellent Management and Professional Staff (Non Academic, Grade 41-44)” while Mr Ali-reza Rafieerad received the award for “PhD Candidate with Highest Impact Publications”.

The event was graced with the presence of the Chancellor of the University of Malaya, His Royal Highness Sultan Nazrin Muizzuddin Shah Ibni Almarhum Sultan Azlan Muhibbuddin Shah Al-Maghful-Lah, the Sultan of Perak. Congratulations to the two gentlemen!



## ICoSEM2017's Workshop



On the 23<sup>rd</sup> of October 2017, a workshop was organized by AMMP Centre and CAM a day before ICoSEM2017. This workshop was delivered by Assoc. Prof. Ir. Dr. Bushroa Abdul Razak with a titled of ‘Understanding of Magnetron Sputtering and Controlling Parameters in Thin Film Deposition’. The participants who joined this workshop got a chance to visit the Surface Laboratory and see the operation of Physical Vapor Deposition (PVD) Machine. Apart from getting a souvenirs and certificate from the organizers, they gain lots of benefits from the fruitful discussion and also hope to join this workshop in the future.

The AMMP Centre was established in 2003 with the aim of strengthening research activities in advanced manufacturing and material processes. The team has evolved from a small discussion platform of like-minded researchers to a fully operational research and consultation group in University of Malaya. Throughout the years, AMMP Centre has secured substantial research funding and commercialization grants from both local and international sources. In addition, the Centre has completed a number of consultation work with the industry in developing customized apparatus and solutions for their needs.

The AMMP Bulletin is produced periodically. It is distributed among lecturers, students and staff of University Malaya. By following our monthly bulletin, you will be kept up to date with the latest AMMP Centre news and activities. See our website for further details: <http://amppcentre.com/> or email [ampp@um.edu.my](mailto:ampp@um.edu.my). For research enquiries, please contact Mr. Amir Farhan at 03-7967 7633 or email [amir-farhan17@gmail.com](mailto:amir-farhan17@gmail.com)