



# BULLETIN

A quarterly bulletin of AMMP Centre and Zecttron Sdn Bhd

Welcome to the  
AMMP CENTRE Bulletin.  
This quarter issue includes:

- ♦ International Conference & Workshop on Knowledge Transfer (ICWKT'18)
- ♦ Seminar on 'DIGITAL TRANSFORMATION FOR SME'
- ♦ Farewell Ceremony for AMMP's International Interns from Hochschule Düsseldorf, German.
- ♦ Networking Session with Kolej Vokasional Sungai Buloh
- ♦ On Campus-Visit with Students of Kumamoto Prefectural Amakusa High School, Japan
- ♦ Completion of Postgraduate studies
- ♦ Research Grant awarded to AMMP Members
- ♦ Hitachi Scholarship Research Support Program 2018.
- ♦ Call for Abstracts — ICoSEM2019

## “International Conference & Workshop on Knowledge Transfer (ICWKT'18)”



Prof Ir Dr Mohd Hamdi was invited as one of the forum panelist for the International Conference & Workshop on Knowledge Transfer (ICWKT'18) with a title of "Nurturing Innovation" on the 5th of December 2018 at RHR Hotel@UNITEN, Kajang, Selangor.

The conference provides a platform for academia, researchers, students, industry/community representatives, corporate leaders, governmental and non-governmental representatives from Malaysia and foreign country to discuss/deliberate/exchange ideas/network and share knowledge on the developments of research findings concerning the 4th Industrial Revolution.

## Seminar on 'DIGITAL TRANSFORMATION FOR SME'



Centre for Research in Industry 4.0 (CRI4.0) organized a seminar on 'DIGITAL TRANSFORMATION FOR SME' on the 27th of February 2019. This event was supported by AMMP Centre and Zecttron Sdn Bhd.

We would like to extend our appreciation for those involved in organizing this seminar. In addition, special thanks to Faculty of Engineering, University of Malaya for sponsoring this event!

## On-Campus Visit with Students of Kumamoto Prefectural Amakusa High School, Japan



On the 29th January 2019, AMMP Centre collaborated with Zecttron Sdn. Bhd. to organize an on-campus visit with students of Kumamoto Prefectural Amakusa High School, Japan. Students who attended the program had the chance to tour the campus grounds, visit the labs within the Mechanical Engineering Department, and hear what current undergraduate students had to say about life in university. We hope that this program encourages the students to pursue a future in the field of sciences.



## Networking Session with Kolej Vokasional Sungai Buloh



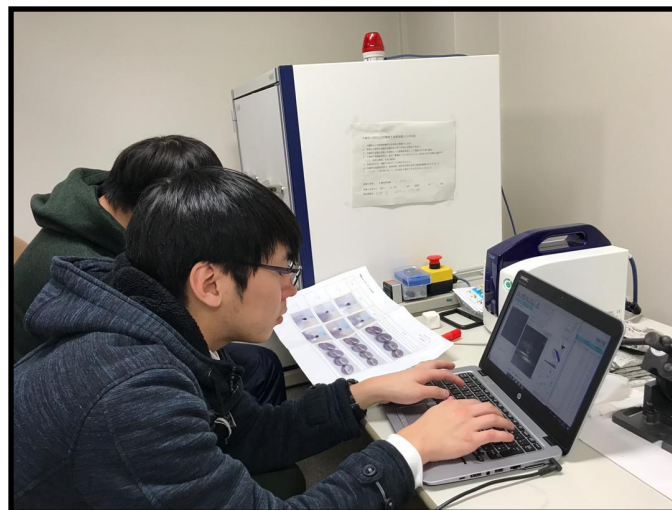
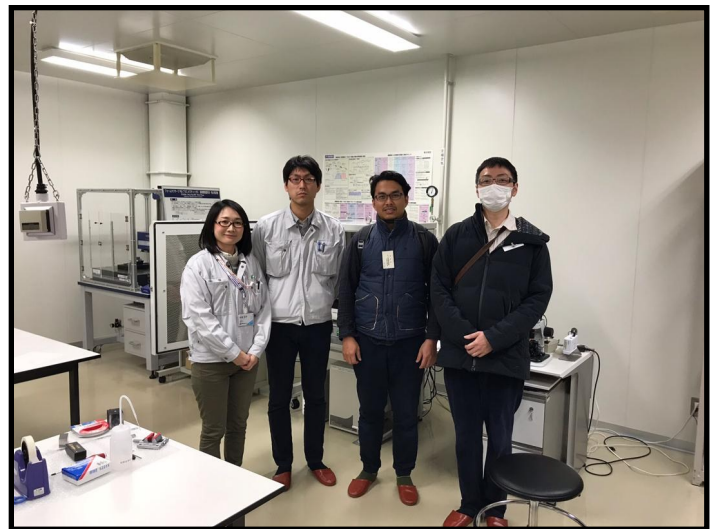
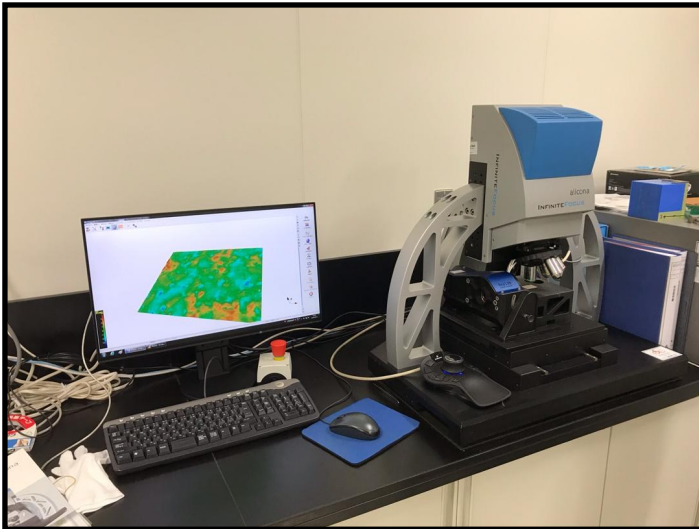
On the 28th January 2019, Zecttron Sdn.Bhd organized a half-day networking session with Kolej Vokasional Sungai Buloh as part of their community engagement. During the session, both parties discussed on potential future collaborations such as training, consultation and community grant application. We look forward to potential partnerships in the future.

## Completion of Postgraduate Studies



Congratulations to Nur Aqilah Binti Derahman and Yusuf Suleiman Dambatta for the completion of their postgraduate studies! Nur Aqilah and Yusuf successfully fulfilled the requirements for their Master and Doctorate program, respectively under the supervision of Dr. Mohd Sayuti Ab Karim and Professor Ir. Dr. Mohd Hamdi Abd Shukor.

## Hitachi Scholarship Research Support Program 2018



The Hitachi Foundation has supported a three months research collaboration program that took place from 15th January 2019 to 15th April 2019. Dr Mohd Ridha Muhammad worked together with Professor Matsuno Takashi of Tottori University to collectively research on delayed cracking phenomenon in high strength steels used in automotive applications. State-of-the-art compact type residual stress measurement system Pulstec X-360 (Pulstec Industry, Japan) was used to measure stresses at difficult-to-measure area and simulations for delayed cracks were conducted using Abaqus. During the program, Dr Ridha visited the Tottori Institute of Industry Technology to conduct necessary analysis for the simulation and jointly supervised Japanese students research projects and evaluate their presentations.

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## Research Grant awarded to AMMP Members

Congratulations to our AMMP members who succeeded in securing research funding. List of grants attained are as follows:

1. FRGS (FP039-2018A): A Study On The Mechanism Of In-situ Incorporation Of Bioglass® Particles During Plasma Electrolytic Oxidation (peo) Of Titanium Alloy And Its Effects On Mechanical And Physicochemical Properties - Associate Prof. Ir. Dr. Bushroa Abd Razak
2. FRGS (FP102-2018A): Friction Stir Welding of A261 and mild steel Reinforced with Gel dispersed Carbon Nanotubes and 1060 Particles - Dr. Mohd Ridha Muhamad.
3. Nippon Sheet Grant: On the biocompatibility and bioactivity of Fe-based MG: in-vitro study - Professor Ir. Dr. Mohd Hamdi Abd Shukor
4. Knowledge Transfer Programme (KTP) (MRUN2019-4A ): Installation And Training On Handling The Methadone Dispenser For Replacement Therapy Treatment (rtg) Program Using Methadone - Dr. Mohd Sayuti Ab Karim
5. RU Geran (RU007C-2017L): Laser Soldering Machine - Associate Prof. Dr. Farazila Yusof





## Call for Abstracts — ICoSEM 2019

**ICoSEM2019**  
 4<sup>th</sup> International Conference on the Science and Engineering of Materials  
 University of Malaya, Kuala Lumpur, Malaysia  
 26 - 28 August 2019

**CALL FOR ABSTRACT!**

| Category      |            | Conference Fee |          |
|---------------|------------|----------------|----------|
| Local         | Student    | Early bird     | RM 980   |
|               |            | Regular        | RM 1,080 |
| Non-student   | Early bird | RM 1,400       |          |
|               | Regular    | RM 1,600       |          |
| International | Student    | Early bird     | USD 380  |
|               |            | Regular        | USD 440  |
| Non-student   | Early bird | USD 500        |          |
|               | Regular    | USD 570        |          |

Papers will be published upon blind review in Scopus-Indexed Journal

**DEADLINES**

- 15 March 2019: Abstract Submission
- 15 April 2019: Acceptance
- 15 May 2019: Full Paper Submission & Early Bird Registration
- 15 July 2019: Final Registration
- 26 - 28 Aug 2019: ICoSEM2019

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icosem\_um@um.edu.my  
<https://umconference.um.edu.my/ICoSEM2019>

The International Conference on the Science and Engineering of Materials (ICoSEM) is back! This biennial conference aims to provide a platform for scientists, researchers, engineers, and students to exchange knowledge on the recent development and progress in the field of Materials Science and Engineering.

The previous ICoSEM conferences in 2013, 2015 and 2017 were highly successful and attracted an increasing number of participants from academia and industry. This year, the 4th International Conference on the Science and Engineering of Materials 2019 will be held on 26-28 August 2019 in Kuala Lumpur, Malaysia.

We look forward to welcoming you in Kuala Lumpur!

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 quarterly bulletin, you will be kept up to date with the latest AMMP Centre news and activities. See our website for further details: <http://ammpcentre.com/> or email [ammp@um.edu.my](mailto:ammp@um.edu.my). For research enquiries, please contact Mr. Amir Farhan at 03-7967 7633 or email [amirfarhan17@gmail.com](mailto:amirfarhan17@gmail.com)