

Welcome to the AMMP CENTRE Bulletin. It keeps you updated on:

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We hope you enjoy reading AMMP CENTRE Bulletin

Three Visiting Professors in August

Lots of exciting events and ceremony had occur in August and one of the best is for the first time in the history of AMMP Centre, the Centre has invited three (3) Visiting Professor in the same month. The invitation made is for the purpose of research and collaboration.

The visitors are, Emeritus Professor Tadashi Ariga from Tokai University, Professor Kiyotaka Wasa from Kyoto University and Dr. Ghader Faraji from University of Tehran.

During their visit, various kind of academic activities has been organized. Such as, sharing experience in handling both machine and materials, seminars, public talk and consultation session with students. As a result, both academicians and students has been able to obtain good benefits either in theory or practical aspect.

Speaker Profile



Prof. Tadashi Ariga
Professor Emeritus,
School of Engineering,
Tokai University.



Prof. Kiyotaka Wasa
Professor,
Kyoto City University.



Dr. Ghader Faraji
Mechanical and Manufacturing,
Engineering, University of Tehran.

Digitizing the Pua Kumbu

Iban women in the longhouses of Sarawak have been weaving beautiful handmade textiles known as Pua Kumbu since ancient times. The Iban traditionally used these textiles to decorate their longhouses and in various rituals and celebrations.

The Iban women typically create the patterns based on their dreams or from their imagination and some pieces of Pua Kumbu can fetch up to RM 3000 or more. Sadly, the century-old practice is dying, from the lack of young blood willing to take up the art due to the tedious and time-consuming process and the demands of modern life.

Recently, a group of UM researchers went outside of their comfort zone (with one flight and 3 different boat rides) to acquire samples of the valuable cultural heritage in one of the longhouses in rural Sarawak. One of their mission was to preserve traditional Pua Kumbu patterns digitizing the textiles in high resolution, so that the collections of rare and antique Pua Kumbu can then be stored in digital archives.

UM's High Resolution Scanner can scan flat objects up to 1200 dpi with low color difference; more than able to capture the images of the textile in high resolution. Research can be done using the high resolution image, and later, the public will be able to appreciate the display of digital images that resemble the real objects.

Digitizing the Pua Kumbu Project is a collaboration between Centre of Advanced Manufacturing and Material Processing with the Centre for Creative Content and Digital Innovation, University of Malaya.



By:
Mohamad Hilman B. Nordin



Celebration of Eid Mubarak and Welcoming New Staff Members

30th August 2013 at JKR Lobby Lounge, CAD CAM - AMMP Centre and Zecttron Sdn Bhd collaborated to organize a lunch ceremony. The objective of the ceremony is to strengthen up the bond between supervisor and their students as well as welcoming a new staff members. Last but not least, the lunch was also to celebrate the conclusion of the 29 or 30 days of dawn to sunset fasting during the entire month Ramadhan.



New Interns

AMMP Centre has invited 3 students from Kolej Kemahiran Tinggi Mara (KKTm) and one from SEGI-College to participate for Industrial Training at the Centre. The students were trained on machine maintenance, handling software, controlling system and etc. In addition, the students also been exposed to the environment of work which could help them preparing themselves in future.



Name: Adibatun Aliyah Bt. Ishak
Supervisor: Dr. Noor Azizi Mardi
Institution: Kolej Kemahiran Tinggi MARA, Balik Pulau, Pinang Pinang



Name: Nurul Jannah Bt. Mhd Juraimi
Supervisor: Dr. Siti NurMaha Musa
Institution: Kolej Kemahiran Tinggi MARA, Balik Pulau, Pinang Pinang



Name: Anwar B. Jefri
Supervisor: Mohd Sayuti B. Abd Karim
Institution: Kolej Kemahiran Tinggi MARA, Balik Pulau, Pinang Pinang



Name: Davoud Sharifi
Supervisor: Dr. Bushroa Bt. Abd Razak
Institution: SEGI College, Subang Jaya

Zecttron

The High Resolution Scanner Seminar is a seminar dedicated to introducing new technology in scanning industry to Malaysia and specifically to the art community in Malaysia. The Seminar is took place on 25/7/13, 2.00 pm at UM Art Gallery and the keynote speech was delivered by Prof. Ari Ide-Ektessabi.

The event was coordinated by Zecttron Sdn Bhd in hope to bring the best of Japanese Technology to Malaysia. At the end of his presentation, he played a video of his team conducting a Digital Preservation project on documents and blueprints of the historical Titanic.

Research Activities of Professor Ari Ide-Ektessabi's Lab

The Research activities of the laboratory are focused in high precision measurement and analyses using particle beams and light, including synchrotron radiation. Recently we use the words "Analytical Imaging" or "Functional Imaging" to explain the research fields or our interest.

The members of the laboratory are 12-15 students, 8 research staff and about 20 collaborators from 5 different companies and research organization. The close collaborations among the laboratory, companies and institutes provide a platform to conduct research in a wide range of fields related to imaging and analyses.



Achievements

Knowledge Transfer Programme Awards

Congratulations to Dr. Noor Azizi Mardi for his project in Knowledge Transfer Programme. The project started on 1st August 2013 till 31st July 2013 at Sekolah Menengah Vokasional Sg. Buloh and the project is funded by the Ministry of Higher Education. The title of the project is 'UM-Sek. Men. Vokasional Sg. Buloh Joint Development & Assembly of Computer Numerical Control (CNC) Lathe Machine (UML-V1) for CNC Vocational Education.

Upcoming Events

- ➔ Visiting Professor, Prof. David Hui, University of New Orleans, USA (14th October 2013 till 18th October 2013)
- ➔ BioMalaysia Expo 2013, Persada Johor International Convention Centre, (21st October 2013 till 23rd October 2013)
- ➔ Visiting Professor, Prof. Kiyotaka Wasa, Kyoto University (November 2013)

The AMMP Centre was established in 2002 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 commercialisation grants from both local and international sources. In addition, the Centre has completed a number of consultation work with the industry in developing customised 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: ammp.um.edu.my/v2 or email ammp@um.edu.my.

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