

In This Issue

- Centre Activities
- Technical Review
- Upcoming-event
- Zecttron

For Updates, Follow Us On
www.ammp.um.edu.my/v2

Centre Activities

SEMINAR BY VISITING PROFESSOR



Prof. Tadashi Ariga



1st of March 2013 at Dewan Kuliah 4, Level 3, Engineering Tower - AMMP Centre arranged a free public talk by Visiting Professor, Prof. Tadashi Ariga. The talk on "Metallurgical Analysis In Brazing" attracted more than 30 undergraduate students from Faculty of Engineering. The talk was held for 1 hour and 30 minutes and the tips given were very useful. According to him, Brazing is the most important material joining technology for the manufacturing industry. The 1 hour and 30 minutes talk was fully informative and it made the participants hesitant from leaving the room. At the end of the session, lunch was provided as a token of appreciation to both our visiting professor and participants. On 4th of March, the same talk was also held for postgraduate students at JKRP, Meeting Room, CAD CAM Tower.

Upcoming-Event

CITRA INNOVATION NIGHT



On the evening of 5th of March 2013 at Marriot Hotel, Putrajaya, the inaugural Innovation Night Ceremony was successfully hosted by the Ministry of Higher Education. In this event, selected researchers from local public and private universities, polytechnics, and community colleges were feted with an honorary dinner as well as commemorative certificates, as a token for their significant contributions in research innovation and commercialization for the years of 2011 and 2012. AMMP Centre, represented by Dr. Noor Azizi Mardi, was presented with the certificate from Dato' Ab. Rahim Md. Noor, the Secretary General of the Ministry, for their invention "Automatic Thermocyclic Dipping Machine" (ATDM). Congratulations!

UPCOMING - EVENT

- Visiting Professor, Dr. Ghader Faraji (1st May till 30th May)
- Visiting Professor, Prof. Hassan Sadhegi (10th May till 17th May)
- ITEX 2013 (9th May till 11th May)

PUBLICATION

- The Influence Of Adding Porous Interlayer In The Brazing Of Ceramic To Metal
- Fluid-structure Interaction Simulation Of Transient Turbulent Flow In A Curved Tube With Fixed Supports Using LES

Technical Review

MILLING

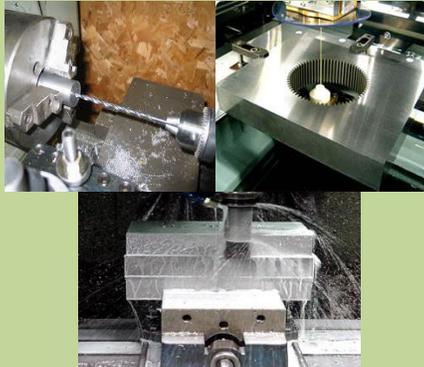
Milling is the machining process of using rotary cutters to remove material from a work piece advancing (or feeding) in a direction at an angle with the axis of the tool. It covers a wide variety of different operations and machines, on scales from small individual parts to large, heavy-duty gang milling operations. It is one of the most commonly used processes in industry and machine shops today for machining parts to precise sizes and shapes.

A lathe is a machine tool which rotates the work piece on its axis to perform various operations such as cutting, sanding, knurling, drilling, or deformation, facing, turning, with tools that are applied to the work piece to create an object which has symmetry about an axis of rotation. Lathes are used in woodturning, metalworking, metal spinning, Thermal spraying/ parts reclamation, and glass-working. Lathes can be used to shape pottery, the best-known design being the potter's wheel. Most suitably equipped metalworking lathes can also be used to produce most solids of revolution, plane surfaces and screw threads or helices.

Electric discharge machining (EDM), sometimes colloquially also referred to as spark machining, spark eroding, burning, die sinking or wire erosion, is a manufacturing process whereby a desired shape is obtained using electrical discharges (sparks). Material is removed from the work piece by a series of rapidly recurring current discharges between two electrodes, separated by a dielectric liquid and subject to an electric voltage. One of the electrodes is called the tool-electrode, or simply the 'tool' or 'electrode', while the other is called the work piece-electrode, or 'work piece'.



By : Mohd Alif Hassan



We are pleased to provide services on:

1. Prototype
2. CAD Design
3. Machining
4. Project Consultation
5. Machine Training
6. Thesis Editorial Service (ISI)

Contact Name: Mohd Alif Hassan

Email: mohamadalfbaharudin@gmail.com

Tel no: 03-7967 7633

Zecttron Sdn.Bhd

Consultation

We offer engineering consultation and training in education and industry in order to fulfill our mission of knowledge sharing for future. We are focusing in providing CAD/CAM/CAE training in order to stimulate the industrial technology growth and its application in Malaysia.

Services :

Zecttron offers the following specialized training and services for both educators and industry personnel:

- CNC milling and turning workshop
- Finite element analysis (FEA) workshop
- CAD/CAM training courses
- Rapid prototyping
- High speed camera



Other Services:

- Design and Fabrication of Jigs & Fixtures
- Supply of Research Material
- Design and Fabrication Of Customized Test-Rigs & Apparatus
- Sample Preparation & Characterization
- Computational Analysis (CAD, FEA, CFD)

