



This Department is committed to continuous improvement in Academic Engineering Education, Initial and Continued Professional Development of its Staff, Students and Alumni.

HEADLINES

New staff

Welcome to Dr Minh, who joins us to strengthen our Mechatronics field, with the special task of developing a proposal for a Mechatronics Minor. Welcome also to Dr Pandey who joins as a Visiting Professor, in the field of Thermofluids. Further background information is available on the Dept. web page, under staff profiles.

TSME is launched

At the 2005 ME-NETT Conference, Thailand's Mech. Eng. Dept. Heads meeting included a report on the newly formed "Thai Society of Mechanical Engineers", **TSME**.



Sixty members signed up during the conference, and work will continue to grow the Society, building academic and professional services to members. This Dept. is now a "Corporate Member", and will support international links with the UK Institution, the IMechE.

Internship scheme is open for business

Students from other ME Depts from around the world are invited to visit, by taking part in the new internship scheme. For overseas students, this would be an excellent opportunity to combine business with pleasure, by taking a holiday afterwards. Intercultural experiences as well as fully documented internship experience strengthens any student's CV.

Industrial seminar series

The 2nd seminar, "Trends and Innovative Technology for Industrial Automation", was sponsored by and held at the Hemeraj Land and Development Industrial Estate (Rayong), on 4th November, with Festo Thailand, supported by BCCT and SPET.



Industrial automation is a strong driver for increased competitiveness, with a need for continuous modernising and effective implementation into production and manufacturing.



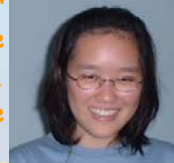
Spotlight

On ...

Tananya Kitcharoen
"M"

Pupil turns master

M graduated in 2003-4, and after working for Meinhardt Engineering Consultants, she moved to Thai Air. She is currently training on Airbus 300-600 aircraft, working towards her "Ground Instructor Certificate", which means she would teach other staff, including the pilots, about the systems of these aircraft.



Message from the HOD

For our first newsletter, I would like to emphasise the above *purple* statement.

The Department continues to move in a positive direction with support from staff and students, past and present. I hope we can sustain the pace of growth, developing more high end output without compromising the quality of what we have already built.

Academic and professional activity includes publication and initiatives with industry and professional institutions. For engineers based in an academic environment, it is important to maintain a mix of such activity. For students, industrial integration, quality controlled work experience and professional development are crucial in preparing for their careers and avoiding the pitfall of being only a "textbook engineer".

The growth of the Eastern Seaboard seems set to continue for some time yet, but will need to be fuelled by quality human resources. The Engineering Education philosophy and experience of integrated training of this Department and Faculty means we are the first choice in the region for a partnership with industry to sponsor students through their degrees.

Paul

Published at the end of December, mid May and mid August.

Thank you to all contributors.

Contributions for the next edition are welcome at any time from staff, students or alumni, and should be emailed to med@asianust.ac.th



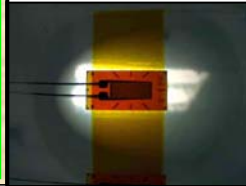
This Department is supported by



Calling all industry

Have you filled in our Eastern Seaboard Industrial Questionnaire?

See the Dept. web pages to download the questionnaire.





Undergraduate Programme syllabus

The next generation

Our 2nd generation syllabus has been approved during this year, so it is time to start work on the 3rd generation syllabus – no point in hanging around! The main driving force for the 3rd generation syllabus is the plan for a Mechatronics Minor. A suite of electives would be available in semesters 6 to 8, and move from the basics of Mechatronics to the leading edge technology, skills and real engineering project experience that could prove so valuable to future employers, as well as giving a sound base for future study at Masters or PhD level.



Image taken from <http://www.mame.mu.oz.au/>

Monitored Professional Development (MPD)

One of the key changes from the 1st to 2nd generation syllabus was the addition of a special 3 credit course, MPD. This requires students to have documented and verified work experience, totalling no less than 480 hours, taken during the summer breaks through internships with industry or other approved organisations. Developing professional skills and building on real work place experience with an early track record of achievement is crucial if students wish to be truly effective engineers, and to be able to compete for their first job.

Non-Destructive Testing (NDT) elective

Students from the Electronic & Electrical Engineering Dept. and MED will be taking an elective course in NDT next semester. The course is supported by Thai NDT Co.Ltd., which is a very successful and growing engineering company, partly due to the increase in the implementation of industrial standards that require NDT on structures and equipment.



**Corporate
and/or
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ME-NETT

SPET

[TSME](#)

What next?

- Plans for a engineering machine workshop are in progress, enhanced by possible equipment donation from Imperial College London, UK. This semester, students completed an Elective subject, acting as a group of consultants with the university as their client, studying the feasibility of the project, and putting forward their recommendations. The Dept. has some capability for small sized prototyping with mini-desktop equipment, but intends to expand to a full size fully equipment machine and fabrication workshop.



Image taken from http://engnet.anu.edu.au/DEResearch/amps/AMPS_Labs.htm

- A sabbatical system may be introduced next year, where overseas Professors visit for 6 to 12 months, widening the expertise available for students to consult with, and helping to extend further the vibrant learning environment as well as contact for staff for research purposes.

From our special undercover reporter,
Dr X

Sports fashion garment is exposed

Corporate branding at its best, with a no holds barred design that accentuates any athletes form. Rumour has it that the London, Paris and Milan fashion show organisers are bidding to be the first to show the item on their catwalks. Place your orders now.

Admissions

Join us, and be part of a fast moving and rewarding environment, whilst studying for a Degree that is valued by industry. MED graduates will be equipped with the skills, knowledge, analytical ability and sense of professionalism that can support them for their life-long education, training and career progression.

Contact med@asianust.ac.th for further information.



For further Department information, visit <http://wwwedu.asianust.ac.th/~me/>

