

**Summer Short Training for UEC students in August and September 2012 at**  
**KMUTT**

**Period:** From 27th August to 30th September (5 weeks)

**Location :** KMUTT Department of Elect. & Telecom. Engg.  
126 Pracha-utit Road, Bangmod, Thungkru, Bangkok 10140  
THAILAND

**KMUTT Supervisory staffs**

Assoc. Prof. Kosin Chamnongtai (kosin.cha@kmutt.ac.th)  
Asst. Prof. Kamon Jirasereeamornkul  
Asst. Prof. Werapon Chiracharit  
Asst. Prof. Suwat Pattaramalai

**UEC Leader** Assoc. Prof. Kohji Higuchi (higuchi@ee.uec.ac.jp)

**Number of Training student:**

Two Trainee Students from UEC can be accepted to stay at KMUTT for training of basic power electronics equipments making, image digital processing and digital signal processing.

**Program agenda:**

In this training program, two student from UEC study how to make power electronics equipments and measure the characteristics of those equipments, for example, the switching power supply and the battery power supply, and how to process the measuring data using image processing and digital signal processing under the technical support of KMUTT graduate school students as the following schedule.

1st week:

- Guidance for life style in KMUTT/Lab
- Technical and Culture tours around Bangkok
- Study about measuring method using microwave

2nd week- 3rd week:

- Study about image processing and digital signal processing using Matlab
- Simulation of the switching power supply and the battery power supply
- Study of experimental setup

4th- 5th week week:

- Processing of measuring data using image processing and digital signal processing
- Presentation of training results

In this training program, the students from UEC can enjoy to learn the making power electronics equipments. They can study image processing and digital signal processing for measuring data obtained from those equipments. They can experience the simulation of measuring the characteristics of power electronics equipments.. They can study image processing and digital signal processing using Matlab. They will get a lot of experiences to collaborate with Thailand students to process the measuring data of the characteristic of . power electronics equipments.