

Short Summer Training for UEC student at KMITL in Feb 2013

Period: 5 weeks (from 21st Feb to 27th Mar 2013).

Location: Department of Instrument Engineering, Faculty of Engineering
King Mongkut's Institute of Technology Ladkrabang
Ladkrabang District, Bangkok 10520

KMITL Supervisory Staff:

Assit. Prof. Boonchana Purahong. (IT Department.. KMITL)

UEC Leader:

Asso. Prof. Dr. Chisato Kanamori (kanamori@mce.uec.ac.jp)

Prof. Dr. Hisayuki Aoyama(aoyama@mce.uec.ac.jp)

Department of Mechanical Engineering and Intelligent Systems

Number of Training Students:

One trainee students from Department of Mechanical Engineering and Intelligent Systems is accepted to stay at KMITL for basic instrumentation and mechatronics training.

Program Agenda(Tentative):

In this training program, student from UEC can join to the technical training course that is set up for the KMITL students in the Control and IT Engineering Laboratory to start their graduation research program.

1st week

Social Events

Welcome meeting – Dean of Faculty of Engineering

Orientation – Host professor/ International relation officers

Meeting – President of KMITL

Introduction to KMITL and Bangkok

2nd week

Technical Training Topics

Mathematical Modeling

Time responses and Performance specifications

Introduction to Matlab/Simulink and LabView

3rd week

Technical Training Topics

Basic control experiments with embedded circuit

Basic control system design technique for embedded system

Implimentation to control systems

Observation Senior projects' report presentations

4th week and 5th week

Technical Training Topics

Control systems experiments - Inverted pendulum systems

Cultural tours Grand palaces & around

Certificate award ceremony and Farewell party – Dean of Faculty of Engineering



KMITL-UEC Collaborate
Project (Humanoid Robot)



Embedded electronics for semi-autonomous robot
controller