

Short Summer Training for KMUTT students on Oct. 2011 in UEC

Period: 5 weeks (from 3th Oct to 6 Nov)

Location: UEC, Department of Mech. Engg. & Int. Sys.
1-5-1, Chofugaoka, Chofu, Tokyo

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KMUTT Leader: Asst. Prof. Kosin Chamnongthai (kosin.cha@kmutt.ac.th)

Asst. Prof. Werapon Chiracharit (werapon.chi@kmutt.ac.th)

Number of Training Students:

Two Trainee students Pramual Choorat, Rattanakorn Wangkhamhang and Potiwat Ngamkajornwiwat from Department of Electronic and Telecommunication Engineering are accepted to stay at UEC for training.

Program Agenda:

1st week: - Guidance for life style in UEC

- Introduction of Signal Processing

2nd week:- Training of Matlab software and CCS for DSP

- Make the filter using Matlab and using DSP

- Learn about FIR filter and IIR filter

3rd week and 4th week:

- Simulation and experiment them proposed method

- Hardware Implementation of Kalman filter

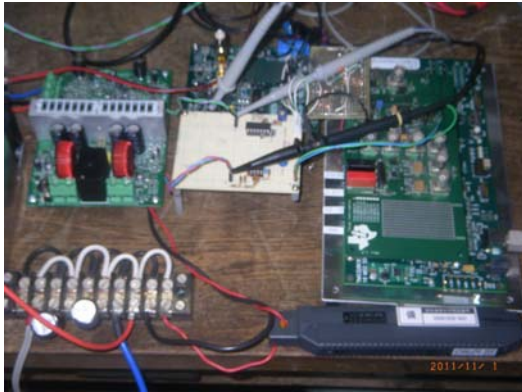
- Make the filter for human voice by using wavelet transform

- Simulation of SAR system for air plane

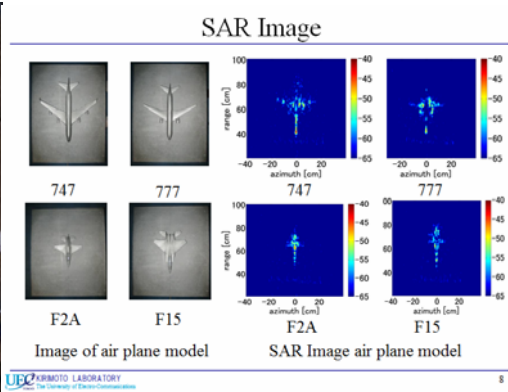
5th week:- Make the slide for presentation

- Last presentation of training results

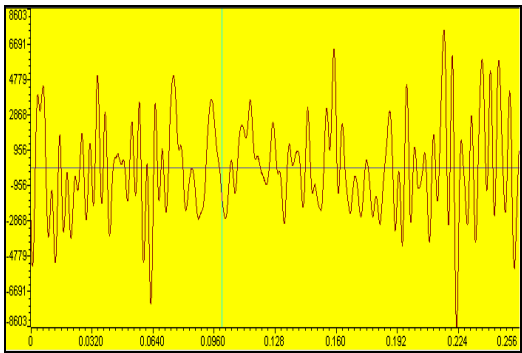
In this program, students from KMUTT can enjoy to learn about digital signal processing and a lot of experience from collaborate with Japanese students.



The application of Kalman filter and DC-DC converter



SOM Based Automatic Target Recognition Algorithm for Airplane SAR Imagery



wavelet packet transform for Human voice equalizer



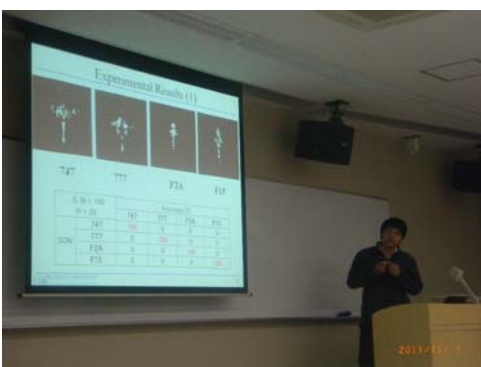
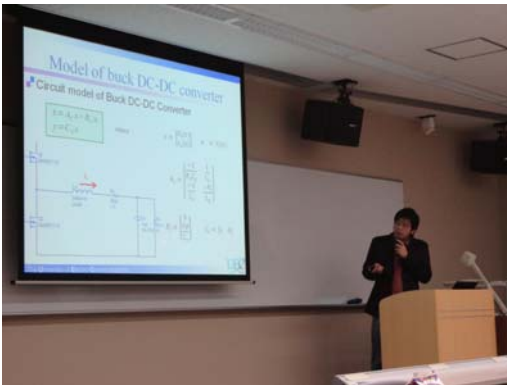
At the entrance gate of UEC



At Higuchi Lab



Introducing of the research at Nakano Lab



Last presentation at UEC



Sightseeing in Tokyo, Hamarikyuu gardens



group photo