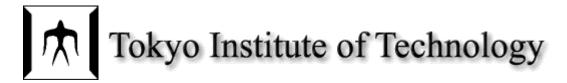Chapter 1

Campus Orientation and Progress Schedulling

1.1.   Information About TIT Campus

Tokyo Institute of Technology (*titech*) is one of the oldest universities in Japan with the long history of nearly 120 years. The motto of *titech* is "To contribute to the welfare of human beings and promotion of civilization, by pursuing advanced research in the field of science and technology and by fostering good citizens who can work as industrial leaders, leading research workers and educators". Its institute has produced a great many top industrialists, and research workers and professors with international reputation. It would not be an exaggeration if that the alumni have played a key role in bringing about great success in industry in Japan and miraculous success of our economy in the post-war period.

In the year 1997, the number of Master student's intake exceeded those of undergraduates. This was the first time in the history of major universities in this country. Tokyo Institute of Technology has certainly been one of the centers of science and technology in Japan.

Tokyo Institute of Technology (Tit ech)

Ookayama Campus : 2-12-1 Ookayama, Meguro-ku, Tokyo

POSTAL CODE : 152 - 8552

URL: http://www.titech.ac.jp/

Figure (1.1) Tokyo institute of Technology, O-okayama Campus

First time I come to the Campus of Tokyo Institute of Technology (O-okayama Campus) I introduced to Suzuki Laboratory members, ID card and Library Card registration. About its campus and how to access is as Figure (1.1) and Figure (1.2).

Figure (1.2) Access to Campus of Tokyo Institute of Technology

1.2. Info About Suzuki Laboratory

There are three laboratories in the Mobile Communication Group in the Tokyo Institute of Technology:

- Suzuki Laboratory
- Takada Laboratory
- Araki Laboratory.

The research activity in these three laboratories is

- Smart Antennas
- Propagation
- Wideband CDMA

All of these researches are proposed for third and fourth generation of Wireless Communication System.

The members of Suzuki Laboratory are:

Professor: Dr. Hiroshi SUZUKI

Associate Prof.: Dr. Kasuhiko Fukawa.

♦ **Secretary:**

Miki HIROSE

♦ **Master Program:**

1. Satoshi SUYAMA

2. Toshiaki USAMI

3. Chu Wei Ming, China

4. Shao Bung Kai, China

5. Yumitsu KATOH

♦ **Bachelor Program:**

1. Doan Tieng Dung, Vietnam

2. Pong Lertchusakul, Thailand

3. Nobuhide Kotsuka

4. SATO

5. Wu Wei Ji, China

6. AIKO

♦ **Researcher:**

1. Tri Budi Santoso, Indonesia

1.3. Training Activity

Prof. Hiroshi SUZUKI has scheduled an activity for my research in laboratory. The list of schedule is:

♦ **April:**

Review of C programming language

♦ **May:**

Simulation of BPSK through ideal channel (no noise condition)

♦ **June:**

Simulation of BPSK and DPSK systems in the AWGN channel.

♦ **July - August:**

Simulation of QPSK and DQPSK systems through AWGN channel

♦ **September - October:**

Simulation of 16QAM through AWGN channel

♦ **November - December:**

Simulation of 16QAM through Rayleigh Fading channel

♦ **The weekly activity**:

1. Seminar in the Mobile Communication Groups, Monday: 10.40 – 12.30
2. Study of Wireless Communication with all member of Suzuki Laboratory, supervisory by Prof Kasuhiko Fukawa, Monday 16.00 – 19.00
3. Consultation to Prof. Kasuhiko Fukawa , Tuesday: 14:00 – 16:00.
4. Seminar in the Suzuki Laboratory, Wednesday: 10.40 – 12.30, supervisory by Prof. Hiroshi Suzuki.