

Chapter 5 Networking Office

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1. Introduction

The Networking Office started by taking over the activities of the Laboratory of General Computing Network Service in FY 2004. Its activities are to maintain and operate computer networks in IMR, provide email services and keep up the IMR web site, to control the common large format printer and the projector for the Lecture Hall, and provide technical support for the personal computers and printers used within IMR. We support the research activities in IMR from the field of intelligence infrastructure.

2. Organization

The previous cited staff members formed the Office in FY 2004.

The Networking Subcommittee is set up with the representatives elected from each laboratory and section.

3. Activity in FY 2004

The main activities of the Networking Office were as follows:

- 1) Switching to a gigabit network.
- 2) Maintaining and operating the IMR network and the network within the Tohoku University Academic/All-round/Advanced Information Network System (TAINS) related to IMR.
- 3) Maintaining and operating various servers for information processing in IMR.
- 4) Maintaining and operating terminals.
- 5) Supporting the users concerning information processing technologies needed for research.
- 6) Managing and operating intellectual information using information processing systems, and supporting the open house and public information of IMR.

The track records for the above are as follows:

- (a) Changing the network configuration

The high-speed network system using gigabit optical fibers was introduced in FY 2003, and we advanced this in FY 2004. The conventional subnet configuration based on a building was abolished, and the subnet configuration based on a laboratory and a section was adopted. Consequently, we improved speed, anti-obstacle characteristics, network configurations crossing buildings, and a policy setup for each subnet, etc.

(b) Terminals (TCP/IP computer) registered, and mail accounts issued

Registered users	952
Registered terminals	313

(c) B0 size printer

The printer was used 240 times in total.

(d) Scanned computer viruses

The software, introduced into the virus check server, judged viruses and isolated them in communication via email, http, and ftp as shown below:

April	May	June	July	August	September	
21264	27013	24211	22038	16034	16243	
October	November	December	January	February	March	Total
16180	18107	11395	9724	21588	25555	229352

(e) Support activities in IMR

In FY 2004, we offered 483 user services in total. We responded to inquiries by phone and email, and did slight tasks as required.

(f) A school within a station

In FY 2004, the B0 printer user seminar was carried out with the following outline.

Date	November 5, 2004, November 18
Venue	Library (Copy room), 2F, Building 2
Contents	How to setup a manuscript from a Library PC (copy room) and setup the output (PowerPoint 2003, Illustrator CS), exchange training for printer sheets, ink, etc., troubleshooting, how to deal with the shortage of expendables, inputting print jobs, how to monitor