

The University Library is equipped as a digital library, permitting fast, accurate retrieval of the information and knowledge required to support educational and academic research activities related to advanced science and technology.

Books and journals are preserved in digital format. They can be accessed freely via the Mandara Network from anywhere. The library system has the integrated capability to archive not only printed media but also multimedia content, including video data such as recordings of lectures.



## Characteristics

### ■ MyLibrary

Each library user can create his or her own page and design it according to their personal preference. This facilitates management of regularly browsed content, personal search histories and online content. Another feature is the capability to search and manage materials stored in the digital library and online journals in an efficient, cross-sectional manner.

### ■ Electronic archiving of internal publications

The Library collects and systematically archives the Institute's publications, including technical reports, final reports of Grants-in-Aid for scientific research and theses, as well as the texts of lectures and classes.

### ■ Archiving course units

The content of graduate school courses has been archived in a database and made internally and externally available.

### ■ Function as a media center

We accumulate academic information by digitization from printed books and journals, videos, CD-ROMs, DVDs and, through the network, processed in a convenient form for use, provide it to users.

### ■ 24-hour library

Access for retrieval is available 24 hours a day at research offices and dormitories, etc., throughout the network.

### ■ High-level information retrieval

We have achieved retrieval through information in tables of contents, abstracts and keywords in the text, in addition to the former system of retrieval by means of a small number of keywords.

### ■ Real-time service

Through our network, we can obtain, provide and accumulate digitized academic information instantly.

### ■ Concurrent viewing

 Digitized library materials can be viewed concurrently by multiple users.

## Next-Generation Features Planned by the Digital Library Research Division

The Digital Library Research Division conducts research and development activities for core technologies for the Digital Library.

### ■ Digital Librarian (to be developed from 2009)

Using the reference and search histories in MyLibrary, the Digital Library system will suggest materials that may interest the user, offering additional efficiency in material browsing. This will be the virtual equivalent of having a personal librarian.

### ■ Knowledge-Based Center (to be developed from 2010)

We will offer the capability for systematic management and presentation of "knowledge and wisdom" based on the information (e.g., articles and documents) produced by library users during educational and research activities and on the histories of their actions. By providing for the centralized and systematic management of new knowledge and wisdom at NAIIST, where leading researchers gather, this system will serve as a base for the global dissemination of knowledge.