

## 15. Activities of Research Information Office (RIO)

### 1. Research Information Office (RIO)



The Research Information Office (RIO) was established on October 1, 2004. RIO is operating the NIFS Article Information System (NAIS) in order to accumulate research activity information related to the fusion science. The information disclosure of the

latest study results is also a function of RIO by publication of research reports such as an annual report, a NIFS report, etc. The preparation work to develop the NIFS institutional repository named ORIBE (Open Resource Information Board in E-collections of NIFS) started on 2007 to open the research activities to the public through the Internet.

### 2. NIFS Article Information System (NAIS)



The NIFS Article Information System (NAIS) is the database accumulating research activity information in NIFS which include activities of the

collaboration researches with universities, research institutes, industries, etc. NAIS has been developed and is operated by RIO since 2006 as a useful data base for the improvement of the level of the research and the education. In this system, the procedures concerning the article submission in the institute are integrated, and the reduction in time in the data input is aimed at. The counting of the presented papers and the extraction of the statistical data can be done easily by using NAIS. Once the article is registered in NAIS, the researcher need not submit again the article list at each counting for different evaluation. An individual author is recognized in NAIS. Therefore, even if the name of the author on the article is the same description (the same first name and the same family name), it is possible to distinguish them by the unique ID. It expands not only an accurate counting but also the possibility of NAIS. For instance, the researcher who logs in can make the latest article list of himself.

The article can be retrieved and inspected easily by using NAIS. The article before presentation is inspected internally, which contributes to the transparency of the publication of the article. This program module named PERAS (PEer Review Assist Server) system is also useful for the article review system of the academic journal or the international conference, symposium, etc. PERAS was offered to the Plasma and Fusion Research (PFR) of the Japan Society of Plasma Science and was adopted as the article review system in the international conferences such as PET11, ITC-17, and ICPP.

### 3. Publication of NIFS reports and Collection of Reports

Publication of the annual report and series of NIFS Research Report is also important task of RIO. NIFS series are the preprints for presenting promptly the results of a collaboration research work of NIFS.

#### NIFS Research Report

Present the results of research work for nuclear fusion, plasma physics and theory & simulation and experiments in related fields.

#### NIFS-PROC

Proceedings of international conferences or symposia organized by NIFS and the reports of the meetings for the collaboration research work of NIFS.

#### NIFS-TECH

Present the results of technical research development related to nuclear fusion and plasma physics.

#### NIFS-DATA

Data series compiling the evaluated basic data for fusion science and related fields.

#### NIFS-MEMO

Technical data and reference for newly developed devices, databases, hardware and software of computer codes.

Table 1 Number of published NIFS reports

	FY 1989-2006	FY 2007	TOTAL
NIFS	871	14	885
NIFS-DATA	99	2	101
NIFS-TECH	14	0	14
NIFS-PROC	65	8	73
NIFS-MEMO	53	2	55
Annual Report	18	1	19

The office also collects laboratory reports and other literatures concerning nuclear fusion and related fields from foreign institutions. The total number of collected reports in this fiscal year was about 200 and approximately 36100 reports have been collected so far.

### 4. Preparation of the Institutional Repository (ORIBE)



The construction of the institutional repository of NIFS named ORIBE (Open Resource Information Board in E-collections of NIFS) has started on 2007. ORIBE is now under construction by RIO by cooperating with Library, Fusion Science Archives and Public Relation Office. RIO is operating NAIS and also publishing research reports. This makes researchers free from extra load for registering their research products in ORIBE. ORIBE will contain; Articles published in scientific journals, Research Reports published by NIFS, Annual Reports of NIFS, Presentations at international Conferences, etc. ORIBE will be opened to the public through the Internet during 2008.

(Mito, T.)