

## §1. Collaborative Activities at NIFS Fusion Science Archives (NIFS FSA)

Iguchi, H., Namba, C., Matsuoka, K., Kimura, K., Endo, M.

### 1. Academic Purposes

The purpose of this research topic is to arrange and promote the total archival activities under the NIFS collaboration framework. More than 50 people from universities and research institutions besides above 5 members have joined this collaboration research.

### 2. Outline of the Research Activities

(1) Collection of new documents was continued. Contributors are Yoshihiko Ichikawa (Prof. Emeritus of NIFS), Masami Fujiwara (Former Director and Prof. Emeritus of NIFS) and NIFS administration office, etc. Registering these documents in the FSA database is undergoing.

(2) The record of oral history of Yoshihiko Ichikawa (the interview was held in 2012) was completed and printed as a FSA documents. Copies were delivered as requested.

(3) Proofreading and editing the oral history record (the interview to Masaji Yoshikawa, former director of Japan Atomic Energy Research Institute, was held in 2013) are almost completed. In addition to the five interviewers, Teruo Tamano (Prof. Emeritus of Tsukuba Univ.) contributed to the proofreading, because he had worked with M. Yoshikawa at General Atomic Co., USA late 1960s and knew well about him. It will be printed soon.

(4) Interview to Hiromu Momota (Professor Emeritus of NIFS) was carried out in February 2015. This interview was planned to clarify and evaluate the so-called R-Project, which was planned at the Institute of Plasma Physics, Nagoya University, around 1980, but was not realized at all. Before preparing the list of questionnaire to Hiromu Momota, meeting minutes of the steering committee and expert committee of IPP, Nagoya University that are found in the journal "Kakuyugo Kenkyu", were examined in detail. Chronological table about the R-Project was also prepared and sent to H. Momota for his reference in remembering the past. The interview was held focusing the topic on the story of R-Project from the beginning to the end of the planning. H. Momota pointed a couple of misunderstanding in the record of interview to Kiyokata Matsuura (Prof. Emeritus of Nagoya Univ.) on the R-Project held in 2004 from his view point. The record is now under proofreading.

(5) Online-opening of the catalog database using a commercial cloud server provided by InfoCom Co. is continuously running. About 1,700 items among total number of 25,000 are open through Internet.

(6) The first network meeting in this fiscal year of the natural science archives under the research institutions of SOKENDAI framework was held at KEK on July 17th. Mr. Toshikazu Komiyama of National Archives of Japan gave a

special lecture on Japanese cultural archives in modern age, especially Edo era. Reports on the status of archival activities from several institutions were also presented and useful information was exchanged.

(7) Workshop style meeting was held at NIFS in December 18<sup>th</sup> and 19<sup>th</sup>, 2015, which was a joint meeting of the two networks for the natural science archives and the fusion science archives. The leader of the workshop was Eiji Kikutani (Associate Prof. and Head of KEK archives). This style meeting in the NIFS collaboration research framework was applied and approved for the first time. The main purpose of the meeting was to discuss on the role of archival activities from the view point of social acceptance of science research activities and to exchange informations. Two special lectures were given. The first one is by Shin-ichiro Hotta (Lecturer and Head of Nagoya University Archives) entitled "20 year history of Nagoya University Archives", and the second one is by Michiji Konuma (Prof. Emeritus of Keio University) entitled "On visiting Niels Bohr Archive at Copenhagen". Both lectures were of much help in considering future direction of our archives from the view point of organizational character. A tutorial lecture on "Basics of the Archival Database" by Haruyoshi Gotoh (Lecturer of Kyoto University Museum) was also given. In addition to these special lectures, status reports from the members of natural science archives were presented. It was confirmed that archives should play an important role in appealing research activities to the public.

(8) Two papers were presented at the Joint Conference on Nuclear Fusion Research (so called Rengo Koenkai), which was held at International Congress Center at Tsukuba in June 2014. They are "Activities and Purposes of Fusion Science Archives" presented by H. Iguchi and "On Japan-US Plasma Seminar, Held Prior to the Current Japan-US Fusion Research Collaboration Program" presented by C. Namba.

(9) A paper was presented by H. Iguchi at the oral session of the Annual Meeting of Japanese Society for Science and Technology Studies (STS) held at Osaka University in November 2014. The title was "Construction of Archives in Research Institutions and Its Implication from STS Point of View". The talk was given by referring the lecture, as an example, by H. Iguchi at the 8<sup>th</sup> East Asian STS Conference, Seoul University, 2012, whose title was "Lessons from the Japanese History of Nuclear Energy Development until 3.11 Fukushima Nuclear Accident".

(10) A Paper was presented by K. Matsuoka at the oral session of the Annual Meeting of Physical Society of Japan held at Waseda University in March 2015. The title was "Actions of the Fusion Research Community in the Starting Phase of the Compact Helical System Project".

(11) Continued contribution of FSA has lasted till March 2015 for the publication of "Kodi Husimi's Collection, Supplement" edited by Hiroshi Ezawa (Prof. Emeritus of Gakushuin University) and Yuzuru Husimi (Prof. Emeritus of Saitama University). Publication is scheduled in July 2015. (NIFS14KVXP020)