

### III. International Collaboration

The international collaboration is one of major activities in the institute. The collaboration covers multilateral international collaborations, bilateral ones, other governmental or inter-institutional agreements and personal exchanges. They are mostly supported by Grant-in-aid of Scientific Research of the Ministry of Education, Culture, Sport, Science and Technology (MEXT) or the Japan Society for the Promotion of Science (JSPS) program. A detailed description of activities is given in the following tables. The multilateral collaborations are those under the US-Japan Fusion Cooperation Program, the IEA TEXTOR Collaboration, IEA stellarator Agreement, and IEA Spherical Tori Agreement. In order to promote scientific exchanges between NIFS and foreign leading institutes, the following agreements on academic exchange and cooperation shown in

table I have been signed up. Grant-in-Aid for International Scientific Research programs and individual travel grants for participating overseas international symposia and conferences (both being supported by MEXT) have effectively functioned to promote international activities of NIFS. Guest professors (supported by MEXT), who stayed for more than three months, and research fellows (JSPS research fellowship) are listed up in Tables II and III, respectively. The 19<sup>th</sup> International Toki Conference on “Advanced Physics in Plasma and Fusion Research” was held in December 8 to 12, 2009, NIFS being as the host institute. Statistics of visitors and visit by NIFS staff in FY2009 are as follows: foreign scientists from more than 10 countries visited NIFS 161 person-times, and NIFS staff went abroad 231 person times (to more than 10 countries).

(Toi, K.)

Table I. List of Academic Exchange and Cooperation Agreement with NIFS

<i>Organization</i>	<i>Country</i>	<i>Effective from</i>
Institute of Plasma Physics, Academia Sinica	China	June 27, 1992
Max-Planck Institute for Plasma Physics	Germany	May 11, 1993
Kurchatov Institute of Nuclear Fusion	Russia	May 13, 1993
Kharkov Institute of Physics and Technology	Ukraine	Oct. 7, 1994
The Australian National University	Australia	May 8, 1995
Korea Basic Science Institute	Korea	March 6, 1996
Forschungszentrum Karlsruhe GmbH	Germany	Oct. 6, 2005
Princeton Plasma Physics Laboratory	USA	March 3, 2006
Institute for Fusion Studies, The University of Texas at Austin	USA	March 6, 2006
Oak Ridge National Laboratory	USA	May 25, 2006
UCLA, Center for Energy Science and Technology Advanced Research	USA	Nov. 28, 2006
University of Provence	France	July 19, 2007
A.M. Prokhorov General Physics Institute	Russia	Oct. 15, 2007
Associated International Laboratory (LIA): Centre National de la Recherche Scientifique (CNRS), University of Provence, Kyushu University, Osaka University	France	Oct. 22, 2007
Research Center for Energy, Environment and Technology (CIEMAT)	Spain	Feb. 26, 2009

Table II. List of Guest Professors in FY2009

<i>Name</i>	<i>Organization</i>	<i>Country</i>	<i>Term</i>
PUSTOVITOV, Vladimir	Kurchatov Institute of Nuclear Fusion	Russia	Nov.1, 2009-Feb.28, 2010
ALEXEEV, Andrey, Gennadjevich	Troitsk Institute of Inovative and Thermonuclear Research	Russia	Jan. 18 – Apr. 17, 2010
TSISAR, Valentyn, Petrovych	Physical-Mechanical Institute of National Academy of Sciences of Ukraine	Ukraine	June 19 - Dec. 18, 2009
CHUNG, Kyu, Sun	Hanyan University	Korea	Aug.1 - Nov.30, 2009
HUDSON, Stuart, R	Princeton Plasma Physics Laboratory	U.S.A.	June 17 – Sep.17, 2009
HUMBERT, Denis	IAEA Nuclear Data Section	IAEA	Dec.1, 2009-Mar.31, 2010

Table III. List of JSPS invited fellows for NIFS in FY2009

(1) Postdoctoral Fellowships for foreign Researchers

<i>Name</i>	<i>Organization</i>	<i>Country</i>	<i>Term</i>
None			

(2) Invitation Fellowship Programs for Research in Japan

<i>Name</i>	<i>Organization</i>	<i>Country</i>	<i>Term</i>
STILLERMAN, Joshua A.	MIT Plasma Science and Fusion Center, Massachusetts Institute of Technology	U.S.A.	Oct.11-31, 2009