

III. International Collaboration

The international collaboration is one of major activities of the institute. The collaboration covers multilateral institutional collaborations, bilateral ones, other governmental or inter-institutional agreements and personal exchanges. Those are mostly supported by Grant-in-Aid of Scientific Research of Ministry of Education, Culture, Sports, Science and Technology (MEXT), or JSPS (Japan Society for Promotion of Science) 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 conducted on Feb. 20 2007. 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 (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 in Tables II and III, respectively. The 18th International Toki Conference on “Development of Physics and Technology of Stellarators/Heliotrons en route to DEMO” was held in December 2008, NIFS being as the host institute. Statistics of visitors and visit by NIFS staff in FY 2008 are as follows; foreign scientists from more than 10 countries visited NIFS 105 person-times and NIFS staff went abroad 253 person-times (to more than 10 countries).

Six foreign scientists, Dr. Carlos Alejaldre, Dr. Gyung-Su Lee, Prof. James W. Van Dam, Prof. Michael Tendler, Prof. Robert Wolf and Prof. Thomas Klinger took part in External Peer Review work initiated by NIFS Administrative Council.

(Matsuoka, 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 '92
Max-Planck Institute for Plasmaphysics	Germany	May 11 '93
Kurchatov Institute of Nuclear Fusion	Russia	May 15 '93
Kharkov Institute of Physics and Technology	Ukraine	Oct. 7 '94
The Australian National University	Australia	May 8 '95
Korea Basic Science Institute	Korea	March 6 '96
Forschungszentrum Karlsruhe GmbH	Germany	Oct. 6 '05
Princeton Plasma Physics Laboratory	USA	March 3 '06
Institute for Fusion Studies, The University of Texas at Austin	USA	March 6 '06
Oak Ridge National Laboratory	USA	May 25 '06
UCLA, Center for Energy Science and Technology Advanced Research	USA	Nov. 28 '06
University of Provence	France	July 19 '07
A.M. Prokhorov General Physics Institute	Russia	Oct. 15 '07
Associated International Laboratory (LIA):		
Centre National de la Recherche Scientifique (CNRS), University of		
Provence, Kyushu University, Osaka University	France	Oct. 22 '07
Research Center for Energy, Environment and Technology (CIEMAT)	Spain	Feb. 26 '09

Table II		List of guest professors in FY 2008	
Name	Organization	Country	Term
Jun, Young-Dae	Hanyang University	Korea	Jan. 8, '08–Jul. 7, '08
Igitkhanov, Juri Levanovich	Max-Planck Institute for Plasma physics	Germany	Feb. 4, '08–May. 31, '08
Claude Wendell Horton Jr.	Institute for Fusion Studies, University of Texas, at Austin	USA	May. 7, '08–Aug. 7, '08
Valentyn Petrovych Tsisar	Physical-Mechanical Institute, National Academy of Science of Ukraine	Ukraine	Sep. 10, '08–Dec. 19, '08
Manfred Ludwig Bitter	Princeton Plasma Physics Laboratory	Germany	Jan. 15, '09–Apr. 15, '09

Table III List of JSPS invited fellows for NIFS in FY 2008

○Postdoctoral Fellowships for Foreign Researchers

Name	Organization	Country	Term
Christopher Wiegmann	Institute of Plasma Physics Research Center Juelich	Germany	Jul, 7, '08–Jan. 6, '09

○Invitation Fellowship Programs for Research in Japan

Name	Organization	Country	Term
None			