

### 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 17<sup>th</sup> International Toki Conference on Physics of Flows and Turbulence in Plasmas was held in October 2007, NIFS being as the host institute. Statistics of visitors and visit by NIFS staff in FY 2007 are as follows; foreign scientists from more than 10 countries visited NIFS 158 person-times and NIFS staff went abroad 244 person-times (to more than 10 countries).

Four foreign scientists, Prof. James W. Van Dam, Prof. Thomas Klinger, Dr. Gyung-Su Lee and Prof. Michael Tendler 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

**Table II** List of foreign guest professors in FY 2007

Name	Organization	Country	Term
BUDAEV Viatcheslav Petrovich	Kurchatov Institute	Russia	May. 10, '07–Oct. 31, '08
YELISEYAVA, Olha	National Academy of Science Ukraine	Ukraine	Jun. 13, '07–Oct. 2, '07
GLASSER, Alan Herbert	Los Alamos National Laboratory	USA	Jun. 29, '07–Sep. 28, '07
WELLER, Arthur	Max-Planck Institute for Plasmaphysics	Germany	Sep. 14, '07–Dec. 20, '07
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
GAO, Zhe	Tsinghua University	China	Jul. 18, '07–Oct. 20, '07
KOUBITI, Mohammed	Universite de Provence	France	Dec. 17, '07–Oct. 20, '08

**Table III** List of JSPS invited fellows for NIFS in FY 2007

## ○Postdoctoral Fellowships for Foreign Researchers

Name	Organization	Country	Term
FERRANDO i MARGALET, Sergi	Swiss Federal Institute of Technology	Switzerland	Nov.28 '05 ~ Nov. 27 '07
GONCHAROV Pavel	St.Petersburg State Technical University	Russia	Apr. 1 '6 ~ Mar. 31 '08

## ○Invitation Fellowship Programs for Research in Japan

Name	Organization	Country	Term
None			