

### 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 newly 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 16<sup>th</sup> International Toki Conference on Advanced Imaging and Plasma Diagnostics was held in December 2006, NIFS being as the host institute. Statistics of visitors and visit by NIFS staff in FY 2006 are as follows; foreign scientists from more than 10 countries visited NIFS 168 person-times and NIFS staff went abroad 244 person-times (to more than 10 countries).

External Peer Review initiated by NIFS Administrative Council was conducted on “International Collaboration”, where four foreign members, Prof. James W. Van Dam, Prof. Thomas Klinger, Dr. Gyung-Su Lee and Prof. Michael Tendler took part.

(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

**Table II** List of guest professors in FY 2006

Name	Organization	Country	Term
VLADIMIROV Serguei	University of Sydney	Australia	Jan. 10 '06 ~ Apr. 11 '06
VOYTSENYA Vladimir	Kharkov Institute of Physics and Technology	Ukraine	Jan. 10 '06 ~ Apr. 10 '06
CHEN Jiming	Southwest Institute of Physics	China	Feb. 24 '06 ~ July 23 '06
IGITKHANOV Juri	Max-Planck Institute for Plasmaphysics	Germany	Apr. 17 '06 ~ Apr. 16 '07
SHISHKIN Alexander	Kharkov Institute of Physics and Technology	Ukraine	Jun. 22 '06 ~ Dec. 21 '06
FRANTZ Ursel	Max-Planck Institute for Plasmaphysics	Germany	July 18 '06 ~ Oct. 20 '06
GARCIA GONZALO Luis	Carlos III University	Spain	Sept. 4 '06 ~ Dec. 4 '06
FENG Yuhe	Max-Planck Institute for Plasmaphysics	Germany	Sept. 19 '06 ~ Dec. 22 '06
JANEV Ratko	Macedonian Academy of Sciences and Arts	Macedonia	Nov. 1 '06 ~ Feb. 28 '07
VYACHESLAVOV Leonid	Sudker Institute of Nuclear Physics	Russia	Jan. 10 '07 ~ May 10 '07
SPONG Donald	Oak Ridge National Laboratory	USA	Feb.19 '07 ~ May 18 '07

**Table III** List of JSPS invited fellows for NIFS in FY 2006

## ○Postdoctoral Fellowships for Foreign Researchers

Name	Organization	Country	Term
CLIVE Alvin Michael	Australian National University	Australia	Apr. 1 '05 ~ Mar. 31 '07
FERRANDO i MARGALET Sergi	Swiss Federal Institute of Technology	Switzerland	Nov. 28 '05 ~ Nov. 27 '07
LIU Yi	Southwestern Institute of Physics	China	Nov. 20 '05 ~ Jan. 29 '07
GONCHAROV Pavel	St.Petersburg State Technical University	Russia	Apr. 1 '06 ~ Mar. 31 '08

## ○Invitation Fellowship Programs for Research in Japan

Name	Organization	Country	Term
None			