

November 22, 2017

To Whom It May Concern,

Position Opening Announcement

The National Institute for Fusion Science (NIFS), in Japan is pleased to announce the opening of the following position. We would like to request your assistance in identifying suitable applicants for this position.

1. Position title: Professor

(Term of appointment: 5 years ; Reappointment may be considered if the performance during the five-year term is deemed sufficiently satisfactory.)

2. Number of recruitment(s): 1 person

In the case that an appropriate candidate is not found, recruitment will be postponed.

3. Research division:

Radiative Plasma Physics Research Section,
High-Density Plasma Physics Research Division,
Department of Helical Plasma Research

4. Division overview / Job description:

The National Institute for Fusion Science conducts the Large Helical Device (LHD) project to prospect a helical fusion reactor and to understand toroidal plasmas comprehensively. The High-Density Plasma Physics Research Division, Department of Helical Plasma Research is in charge of the equilibrium and stability study of the helical plasma, edge plasma control with divertor and various fuelling methods, and development of diagnostics for edge and core plasma measurements.

The prospective candidate is expected to engage in experimental study of the confinement improvement, controlling and stabilizing the core/edge plasma instabilities caused by the high plasma pressure or high energy particles in the heliotron configuration. Development of new diagnostics and sophisticated analysis techniques to investigate various fluctuations, magnetic topology and its stochasitization, ITB/ETB formation, etc. is also expected. The successful candidate should also provide leadership in the LHD project.

5. Qualifications:

- 1) Hold a Ph.D. degree, or expected to receive a Ph.D degree.
- 2) Have experience and track record in this field
- 3) Be committed to peripheral tasks related to the experiment.
- 4) Be committed to conducting domestic and international collaboration.

- 5) Be committed to education of graduate students.

6. Application deadline: February 28, 2018

Application package must be delivered to the office denoted in Section 10 below by or on this date.

7. Expected starting date:

As early as possible upon selection.

8. Selection procedure:

- 1) Appropriate applicants will be selected by the Administrative Council of NIFS.
- 2) Procedure:
Applicants will be selected based upon application documents. If deemed necessary, an interview will be requested.

9. Documents to be submitted along with the application

(Six copies are required for each of the items 2 through 5 below.)

- 1) Curriculum vitae
Specify the possible starting date, attach a passport-size photograph, list the applicant's academic degree(s) held, education and employment history, and write the e-mail address.
- 2) Applicant's research history summarized in 2 pages of A4 or letter-size paper
- 3) Future research plans at NIFS summarized in 2 pages of A4 or letter-size paper
- 4) List of Publications,
 - Publications in Japanese and English should be listed on separate pages, respectively.
 - For all joint publications, the name(s) of the joint author(s) must be printed.

****NOTE****

The List of Publications must be created in accordance with the document "Creating the List of Publications" to be provided by NIFS.

(The instructions are available on the NIFS' website. The address of this home page is found below in Section 12.)

- 5) Copies of research papers: About 5 main works (books / articles).
 - On A4 or letter-size. Photocopies are acceptable.
 - Summaries of the main papers, including the applicant's contributions, must be described on separate pages. (Any format)
- 6) Letter of Recommendation or, when the applicant knows persons capable of giving comments on the applicant, a document that includes the name and contact address of the

persons (up to 2 individuals) (Any format)

All documents must be prepared on separate pages. Documents other than the curriculum vitae should be printed on A4 or letter-size paper (portrait).

Also, be certain to print the applicant's name in the upper right corner on all documents.

10. Application documents should be sent by registered mail to:

Personnel Section, General Affairs Division
Department of Administration
National Institute for Fusion Science
Oroshi-cho 322-6, Toki-shi, Gifu
509-5292 JAPAN
Tel: +81-572-58-2222
Fax: +81-572-58-2601

On the front of the envelope, please write or print "Documents for the Position Opening (Professor) in High-Density Plasma Physics Research Division — Department of Helical Plasma Research " in red.

11. Contact:

1) For the application documents

Personnel Section, General Affairs Division
Department of Administration
National Institute for Fusion Science
Oroshi-cho 322-6, Toki-shi, Gifu
509-5292 JAPAN
[Email] jinji@nifs.ac.jp

2) For inquiries concerning research

Prof. Tomohiro Morisaki
Director, High-Density Plasma Physics Research Division
Department of Helical Plasma Research
[Telephone] +81-572-58-2200

12. Miscellaneous:

- 1) The information regarding the job offering may also be found on the NIFS website (URL: <http://www.nifs.ac.jp/en/jinji/>).
- 2) Please note that the application documents will not be returned after submission.
- 3) NIFS's fixed-term system is prescribed by its regulations on Rules of Employment Terms of NIFS Research and Education Personnel.

- 4) NIFS pays regard to the Basic Law for a Gender-equal Society.
- In the case that two or more applicants are assessed as having the same level of ability, the job is given to the female candidate
 - If you have taken a leave/leaves for purpose(s) of maternity, child-care, and/or family-care (including shorter working hours for the purposes of child-care and/or family-care), or have been absent from research activities due to disease(s) or injury(s) that occurred while working or commuting, please indicate this in your curriculum vitae. We will take it into consideration in assessing your performance.