

April 23, 2026

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 and number of recruitment**

Associate Professor or Assistant Professor (Data science): 1 person  
(Permanent position)

### **2. Recruitment background and requirements**

NIFS promotes the interdisciplinary development of fusion science by dividing the challenge of realizing fusion energy into several themes and generalizing the problems involved in each theme. We aim to deepen collaboration with universities and other institutions in Japan and abroad through interdisciplinary initiatives that share cutting-edge concerns and issues in various academic fields. By promoting a brain circulation that encompasses a wider range of fields than ever before, we hope to enable the sustainable promotion of long-term fusion development research.

To support such interdisciplinary development in fusion science, NIFS has launched the academic research project, "Academic Research Platform Project on Fusion Science, Centered on 'Micro-collective Phenomena' in Ultra-High-Temperature Plasmas" (MCPoP Project) in FY2026. In this project, "data science" is one of the primary research themes, aiming to advance the exploration of physics and enhance prediction accuracy by integrating high-temperature plasma experiments and simulations.

For this recruitment, we are seeking an excellent researcher who will strive to improve the convenience of shared data use, advance the potential of diagnostic data analysis through data science methodologies, and promote interdisciplinary collaboration through simulations and other plasma experiments. Furthermore, we expect excellent candidates who can drive NIFS's future development through interdisciplinary expansion.

### **3. Selection Criteria**

In the selection process, we will closely evaluate the applicant's research achievements (highly original or challenging research papers that have undergone rigorous peer review, as well as the ability to continue writing papers), the idea and originality of the research plan, the improvement of the convenience of shared data use, and the advancement of the potential of diagnostic data analysis through data science methodologies.

#### **Applicants for Associate Professor**

- (1) Hold a Ph.D. degree.

- (2) Those who are motivated to promote the MCPoP Project through improving the convenience of shared data use and advancing the potential of diagnostic data analysis using data science methodologies.
- (3) Actively engage in joint research in Japan and overseas and demonstrate leadership.
- (4) Those who are motivated to educate students and cultivate human resources.

#### **Applicants for Assistant Professor**

- (1) Hold or expect to obtain a Ph.D. degree.
- (2) Those who are motivated to promote the MCPoP Project through improving the convenience of shared data use and advancing the potential of diagnostic data analysis using data science methodologies.
- (3) Actively engage in joint research in Japan and overseas.

#### **4. Deadline for applications**

Selection will be conducted as needed.

If the position has been filled, accepting applications will be closed.

#### **5. Appointment**

As early as possible upon selection.

#### **6. Selection procedure**

- (1) The Administrative Council is responsible for selecting appropriate applicants for NIFS.
- (2) Applicants will be chosen based on their application documents in the first selection. Only those who pass the first round will be invited for an interview for the second selection.
- (3) Details of an interview will be emailed to those who have passed the document screening.

#### **7. Documents to be submitted**

The following documents (1) - (6) must be submitted via e-mail (see Section 8. for e-mail address). For the letter of recommendation (7), please follow the instructions in Section 8.

- (1) Curriculum Vitae: Specify the possible starting date, attach a passport-size photograph, list the applicant's academic degree(s) held, and provide an e-mail address.
- (2) Applicant's past research summarized in two pages of A4 or letter-size paper.
- (3) Future research plan at NIFS summarized in two pages of A4 or letter-size paper.

The National Institute for Fusion Science has been reorganized into a Unit research system from FY2023. Researchers belong to one of the Units to conduct research. In the future research plan, please select one of the Units you wish to

belong to (Meta-hierarchy Dynamics / Structure Formation and Sustainability / Phase Space Turbulence / Plasma Quantum Processes / Transports in Plasma Multi-phase Matter System / Sensing and Intellectualizing Technology (S&I) / Plasma Apparatus / Complex Global Simulation / Ultrahigh-flux Concerting Materials / Applied Superconductivity and Cryogenics) and state the research plan to contribute to the MCPoP project using data science, the plan for plan to improve the convenience of shared data use, such as secure management and publication of experimental data, and the desired position (Associate Professor or Assistant Professor).

For the research themes and keywords of each Unit, please refer to " Unit" (<https://unit.nifs.ac.jp/research/en>) on the website. If necessary, please consult with the contact listed in 9.(2) "For inquiries concerning research" or the respective Unit Leader to plan your research.

(4) List of Publications:

- For all joint publications, the name(s) of the joint author(s) must be printed.
- For each paper, be certain to indicate whether it was reviewed by referees.
- List of competitive research funds and patents which the applicant received.

**\*\*NOTE\*\***

The List of Publications must be created in accordance with the document "Guidelines for Compiling the List of Publications" to be provided by NIFS. (<https://www.nifs.ac.jp/en/about/recruit/>)

- (5) Copies of research papers: Applicants for Professor or Associate Professor should submit about five main works (books/articles). Three or more of them should have been published in the past three years. We will take into consideration any leave for the purpose(s) of maternity, child-care, and/or family-care (including shorter working hours for reasons of child-care and/or family-care) in assessing your performance (please follow the instructions in Section 10 (5)). Applicants for Assistant Professor should submit about three main works (books/articles). Should applicants for Assistant Professor not yet have publications, a dissertation, papers under review for possible publication, or papers in preparation may be included. All submissions on A4 or letter-size paper. Photocopies are acceptable.
- (6) A document of a brief summary of each publication and her/his contributions attached according to (5) in two pages of A4 or letter-size paper. (any format)
- (7) Letters of recommendation: Applicants for Professor or Associate Professor should submit these from two or more researchers. It is advisable to include a letter of recommendation from a researcher at an institution in a country different from that of the applicant's institution. One letter of recommendation for applicants for Assistant Professor should be submitted. Any format is acceptable.

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

## 8. Address for sending the documents

[Documents (1) - (6)]

E-mail address

nifs-jinji@nifs.ac.jp

Personnel Section, General Affairs Division,  
Department of Administration,  
National Institute for Fusion Science

Send an e-mail with the subject "Application in Research-education employee (Data science)" and attach the above documents (1) - (6) to the e-mail. If you do not receive a confirmation of receipt within three working days after sending the e-mail, please contact the address in Section 9.

[Letters of recommendation (7)]

The letter of recommendation should be sent directly from the recommender by post or e-mail. (When sending by e-mail, please write "letter of recommendation in Application in Research-education employee (Data science)" in the subject. We accept PDF files only.)

Postal address:

Oroshi 322-6, Toki, Gifu 509-5292, Japan  
Personnel Section, General Affairs Division,  
Department of Administration,  
National Institute for Fusion Science

E-mail address nifs-jinji@nifs.ac.jp

## 9. Contact

1) For the application documents

Personnel Section, General Affairs Division,  
Department of Administration,  
National Institute for Fusion Science

E-mail: nifs-jinji@nifs.ac.jp

2) For inquiries concerning research

Professor Yasushi TODO, Deputy Director General, NIFS

E-mail: todo@nifs.ac.jp

## 10. Others

(1) Payment is on an annual salary system. (The salary will be paid in monthly installments.)

(2) NIFS is actively working to increase gender and nationality diversity to build a diverse research environment that generates innovative and creative ideas.

(3) The purpose of the Basic Law for a Gender-Equal Society will be respected in this appointment. The National Institutes of Natural Sciences (NINS) is committed to improving the quality of education and research by increasing the diversity of researchers.

- Women and foreign researchers are employed when they are recognized as equal in terms of research and educational achievements and personality evaluation.
- If you have taken leave for the 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 or injury occurring while working or commuting, please indicate this in your curriculum vitae. We will take this into consideration in assessing your performance.

(4) NINS has introduced the scholarship repayment program for young researchers. If a researcher meets the requirements and be approved under this system, NINS will repay the scholarship to Japan Student Services Organization (JASSO) on behalf of the researcher.