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Job opportunity at the
Institute for Space-Earth Environmental Research, Nagoya University
(ISEE job opportunity announcement No.8 FY2024)

1. Job title and number of positions: Designated Associate Professor (1) or a few Designated Assistant Professor
2. Employer: Tokai National Higher Education and Research System (THERS)
3. Affiliation: Center for Integrated Data Analysis, Institute for Space-Earth Environmental Research
4. Research field
(1) About the Center for Integrated Data Science (CIDAS) at the Institute for Space-Earth Environmental Research (ISEE)

The Center for Integrated Data Science (CIDAS), a center of the Institute for Space-Earth Environmental Research (ISEE) at Nagoya University, was established with the aim of developing and maintaining a foundation for advanced research. CIDAS accomplishes this through the integrated analysis of various types of data and cutting-edge computer simulations, supporting ISEE's role as a collaborative research.

Since fiscal year 2022, CIDAS has been working in collaboration with the Japan Aerospace Exploration Agency's Institute of Space and Astronautical Science (JAXA/ISAS) and the National Astronomical Observatory of Japan as a "Center for Heliospheric Science (CHS)". This center focuses on the utilization of solar observation satellites "Hinode," the geospace exploration satellite "Arase," the Mercury exploration satellite "Mio," and the high-sensitivity ultraviolet solar spectroscopic observation satellite SOLAR-C, to lead heliospheric system science throughout the 2020s. The CHS also provides a research infrastructure that enables the integrated analysis of different satellite data as well as data from ground-based observations and numerical simulations related to the heliospheric system science. In addition, the center aims to contribute to heliospheric system science by advancing space weather research, particularly for future manned lunar explorations, and by enhancing space weather forecasting.

(2)
(Immediately after hire): In alignment with the objectives of the CHS, the hired individual will be expected to advance research in heliospheric system science and space weather forecasting. Responsibilities include constructing high-level data processing systems for satellites such as "Hinode," "Arase," "Mio," and SOLAR-C, as well as organizing and promoting data that adds value to heliospheric system science, developing integrated analysis tools and databases, planning collaborative observational programs across missions, and developing data-driven simulation models. The candidate will actively contribute to the development of this research foundation.

(Scope of changes): Tasks specified by the Tokai National Higher Education and Research System.

(3) Work location: (Immediately after being hired) Chikusa Ward, Nagoya City, Aichi Prefecture (Scope of change) Work location designated by Tokai National Higher Education and Research System

5. Appointment conditions: (1) Designated Associate Professor or Designated Assistant Professor
(2) Salary: Approx. 400,000JPY/month (Designated Assistant Professor), 500,000JPY/month (Designated Associate Professor) (3) Work hours: 38.75 hours/week (4) Insurance enrollment: Mutual aid association (short-term), Welfare pension, Employment insurance, Workers compensation insurance

Work Hours: Based on THERS Employee Work Rules

(https://education.joureikun.jp/thers_ac/act/frame/frame110010928.htm)

Days off: Saturdays, Sundays, national holidays, and New Year's holidays from December 29th to January 3rd.

Passive smoking prevention measures: Smoking is prohibited on campus in principle.

6. Research area: Any field related to space-earth environment
7. Number of vacancies: One designated associate professor/A few designated assistant professor
8. Qualifications: Applicants must satisfy all of the following conditions: (1) Holds a doctoral degree or is expected to earn a doctoral degree, and (2) does not have other primary occupation or is not a graduate student or a researcher at the time of start of the employment.
9. Starting date: April 1, 2025 or later at the earliest possible time
10. Term of employment: March 31, 2026 (maximum until March 31, 2028)
*The appointment is renewable every fiscal year based on work performance, attitude, and ability, as well as budget availability, etc.
The probationary period: six months.
11. Application deadline: 08:00am on December 23, 2024 (Japan time)
12. Screening process: Document screening and Interview
13. Application materials:
 - (1) Curriculum Vitae
 - (2) Summary of research achievements (within 2 pages, A4 size)
 - (3) Publication and research activity list and a copy of major papers (three papers max.)
 - (4) Research Proposal (within 4 pages, A4 size)

Please describe how you plan to contribute to the research and development requirements specified in "2. Recruitment Fields." Additionally, please indicate whether you are applying for the position of "Designated Associate Professor," "Designated Assistant Professor," or "Both." Furthermore, please include any computer language skills you have experience with (e.g., Fortran, C, IDL, Python) and any software or databases you have used (e.g., ERG integrated analysis software "SPEDAS or PySPEDAS").

If you are applying for the position of Designated Associate Professor, please also include your vision on how you intend to collaborate with other staff in the CHS and lead the advancement of the project with a strong sense of leadership.

- (5) Possible start date
- (6) Name and contact of two professional references
- (7) Applicable Specific Category Determination Form (See section 16)

14. Submission:

Applicants are required to make one PDF file (up to 10MB) that includes all documents. Subject: Application for ISEE job opportunity Postdoctoral researcher FY2024 (ISEE job opportunity announcement No.8 FY2024) Address: inst-recruit(at)t.mail.nagoya-u.ac.jp *Please to replace the (at) with @ *You will receive a confirmation of receipt within three business days after sending the application. If you have not received a confirmation of receipt by then, please contact us at 12. (1)

15. Inquiries:

(1) Regarding application documents: Tomohiro Tanabe, Personnel Affairs Section, General Affairs Division Institute for Space-Earth Environmental Research (ISEE), Nagoya University F3-3 (250), Furo-cho, Chikusa-ku, Nagoya, Aichi 464-8601, Japan e-mail: inst-recruit(at)t.mail.nagoya-u.ac.jp *Please to replace the (at) with @

(2) Regarding research content:

Professor, Yoshizumi Miyoshi (Director of CIDAS)

Institute for Space-Earth Environmental Research (ISEE), Nagoya University F3-3 (250), Furo-cho, Chikusa-ku, Nagoya, Aichi 464-8601, Japan e-mail: miyoshi (at) isee.nagoya-u.ac.jp *Please to replace

the (at) with @

16. Others:

Personal information provided in relation to the application will be used only for the purpose of screening. Upon completion of the screening, all personal information, except for information of those who passed the screening, will be discarded responsibly. In addition, Institute for SpaceEarth Environmental Research is an active promotor of Gender Equality. Browse the web page below for more detail. <http://www.kyodo-sankaku.provost.nagoya-u.ac.jp/en/> The contents herein are originally created in Japanese. If any discrepancies do exist, the original Japanese version shall prevail.

17. Remarks:

In November 2021, with the clarification of the scope of control of "deemed exports" under the Foreign Exchange and Foreign Trade Act ("FEFTA"), a portion of the provision of confidential information must comply with FEFTA. Technology provided by universities and research institutions to faculty and staff is FEFTA is subject to control. As a result of this change, faculty applications will also be subject to FEFTA controls. When applying for this solicitation, you will be required to submit an Applicable Specific Category Determination Form in accordance with the Applicable Specific Category Determination Flowchart. Please download the form below and submit it. <https://nuss.nagoya-u.ac.jp/s/bLFocRofmoj83zp> In addition, faculty members are required to submit a "Confirmation Form" at the time of employment.