

Job opportunity in the Institute for Space-Earth Environmental Research (ISEE), Nagoya University (ISEE job opportunity No. 09 FY2021)

1. Job title/quantity:

Designated associate professor / One position
Designated assistant professor / A few position

2. Field and Mission:

The Center for Integrated Data Science (CIDAS)*, a center of the Institute for Space-Earth Environmental Research (ISEE), Nagoya University, has been established for the purpose of conducting research and development to realize advanced study on the space and solar-terrestrial system based on integrated analysis of various data and advanced computer simulations. CIDAS plays a role in the activities of ISEE as a joint research and utilization center. In particular, CIDAS aims to drive Heliospheric System Science by integrating different types of data, and conducts research and development through the development of an analysis software that combines the satellite data by JAXA with ground-based observation and simulation data. In cooperation with the Institute of Space and Astronautical Science (ISAS) and the National Astronomical Observatory of Japan (NAOJ), we will start the activities of the "Heliospheric Science Center (HSC)" project in FY2022. The HSC project will conduct comprehensive studies of the heliosphere based on the Solar Physics Satellite "Hinode," the Magnetosphere Observation Satellite "Geotail," the Geospace Exploration Satellite "Arase," the Mercury Exploration Satellite "Mio," and the High-Sensitivity Solar Ultraviolet Spectroscopy Satellite "Solar-C" (EUVST), and data obtained from related ground observations and numerical simulations/modeling by conducting high-level data processing and database, integrated analysis software.

In order to promote the activities of the HSC, ISEE seeks designated an associate professor and assistant professors who will play a central role in the HSC project for the development of new computational methods such as data-driven simulations, comparative analysis of observations and numerical experiments, development of new analysis methods based on the latest data science, development of tools for comprehensive analysis of the data, and development of database construction and data release. The successful candidates are expected to be motivated to promote research that integrates each of missions, to disseminate the new research environment to the research community through workshops, and to lead and promote the new research in heliospheric system science in cooperation with other researchers. The successful candidates are also expected to contribute to future satellite missions for the heliospheric system science through activities at CIDAS.

*CIDAS, Nagoya University
<https://cidas.isee.nagoya-u.ac.jp/index.shtml.en>

2. Appointment conditions:

- (1) Position: Designated associate professor and/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: Health insurance, Welfare pension, Employment insurance, Workers compensation insurance

3. Starting Date: April 1, 2022, or later, as early as possible

4. Term: up to March 31, 2025.

5. Eligibility: Ph.D. as of April 1, 2022

6. Application Materials

- (1) Curriculum vitae,
- (2) Publication and research activity list,
- (3) Summary of research achievements and interests,
- (4) Research plan (maximum two pages),
 - In research plan,
 - a) Please explain how you intend to contribute to the requirements of the research and development described in 2: Field and Mission.
 - b) Please indicate whether you will be a "designated associate professor," "designated assistant professor," or both.
 - c) Please indicate what computer language(s) you have experience developing (e.g., Fortran, C, IDL, Python, etc.), software, database, etc. (e.g., ERG integration analysis software "SPEDAS" or "PySPEDAS", solar data analysis software)

(5) Names and contact information for two professional references

7. Application Deadline: 28 (Mon), Feb., 2022, 8:00 JST

8. Submission: Applicants are required to make one PDF file (up to 10MB) that includes all documents and send it by email to the following address with the subject "Application for ISEE job opportunity No. 09 FY2021."

inst-recruit@adm.nagoya-u.ac.jp

(A receipt confirmation will be sent by email within 3 business days after the submission. If you do not receive the receipt confirmation email by then, please contact the address in "9. Contact: 1) Regarding documents to be submitted.")

9. Contact:

1) Regarding documents to be submitted

Youhei Sato, General Affairs Division

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2) Regarding ISEE and application content

Prof. Yoshizumi Miyoshi (Director of CIDAS)

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10. Remarks:

Personal information provided in relation to the application will be used only for the purpose of screening. Upon completion of the screening, we will securely dispose all personal information, except for the information of the successful candidate. The Institute for Space–Earth 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/>