

Announcement of Opening for Faculty Position
Institute for Space–Earth Environmental Research, Nagoya University
(ISEE Personnel Public Offering No. 8 FY2017)

1. Job Title: Associate Professor

2. Assignment Area: Division for Ionospheric and Magnetospheric Research

3. Job Description:

The Institute of Space–Earth Environmental Research, Nagoya University (ISEE), one of Joint Usage/Research Centers in Japan, uniquely crosses two research fields: space science and earth science. ISEE aims to explore various types of phenomena occurring in the integrated system of the Earth, Sun, and universe. ISEE promotes a wide variety of collaborative research for solving issues in the global environment and human society developed in the space age. The Division for Ionospheric and Magnetospheric Research conducts a variety of ground-based and space observations and instrumental development including the construction and operation of calibration facilities. In addition, data analyses are conducted from diverse perspectives of demonstrative research for elucidating matter and energy transport mechanisms and cross-regional coupling processes in the terrestrial and planetary magnetosphere, ionosphere, thermosphere, and upper atmosphere.

The Division for Ionospheric and Magnetospheric Research is presently seeking a talented associate professor. This position requires well-established expertise and ability as well as clear future vision on the terrestrial/planetary observations using spacecraft/satellites, sounding rockets, and other means. Qualified applicants will perform the instrumental developments of innovative space observations based on fundamental and cutting-edge experiments in a laboratory equipped with a middle-class clean room and vacuum chambers for space exploration. This demonstrative research will focus on the terrestrial and planetary magnetosphere/ionosphere/thermosphere and upper atmosphere and will be crucial in promoting and leading future space exploration missions by considering a wide research field in space and planetary sciences. In particular, we require applicants with the following qualifications:

- The ability to promote interdisciplinary research projects from a comprehensive viewpoint of the universe–Sun–Earth/planet system.
- Current involvement in developing new instruments or measurement techniques using spacecraft/satellites, sounding rockets, or other means. In this case, the successful candidate will also be appointed to the Center for Orbital and Suborbital Observations, one of the departments of the Institute.
- A demonstrated passion for principally proposing, leading, and promoting future space

exploration missions.

Moreover, successful candidates are expected to exhibit the following traits:

- An understanding of the role of the Institute as an exceptional nationwide joint usage/research center.
- The ability to work in collaborative environment in cooperation with the research community for research activities in the field of ionospheric and magnetospheric study.
- Dedication for nurturing young talent.
- Commitment to educating undergraduate and graduate students as a cooperative faculty of the Graduate School of Engineering, Nagoya University.

4. Application Qualifications:

The candidate should hold a PhD degree. There is no restriction on the candidate's nationality. However, the candidate is required to have basic Japanese language skills and a strong willingness to develop Japanese language skills in order to handle administrative work within a few years.

5. Date of Appointment:

June 1, 2018, or the earliest possible date thereafter

6. Application Deadline:

24:00 JST, December 27, 2017 (Wednesday)

7. Selection Method:

Document screening or interview when necessary

8. Application Materials:

- 1) CV
- 2) Summary of previous research activity (maximum two A4 pages)
- 3) A complete list of previous publications with a copy of the five most important papers attached
- 4) Acquisition status of external funds, with Grants-in-Aid for Scientific Research and other funding described separately
- 5) Research plan and statement for contribution to education and to Joint Usage/ Research Center (maximum four A4 pages)
- 6) Possible appointment date
- 7) Two letters of recommendation or contact information of two references

9. Method of Application:

All qualified applicants are encouraged to send the application materials shown above by

registered mail to the following address:

General Affairs Section II, General Affairs Division
Institute for Space–Earth Environmental Research, Nagoya University
F3-3 (250), Furo-cho, Chikusa-ku, Nagoya, Aichi 464-8601, Japan
Phone: +81-52-747-6303 Fax: +81-52-747-6313

Please write “Documents for application to Associate Professor, Division for Ionospheric and Magnetospheric Research, Institute for Space–Earth Environmental Research, Nagoya University enclosed” in red ink on the front of the sealed envelope. Note that application documents will not be returned. Personal information submitted for this application will be used only for the purpose of screening. Upon completion of the screening, all personal information, except for information on those who passed the screening, will be discarded responsibly.

10. Contacts:

1) Regarding documents to be submitted:

General Affairs Section II, General Affairs Division
Institute for Space–Earth Environmental Research, Nagoya University
F3-3 (250), Furo-cho, Chikusa-ku, Nagoya, Aichi 464-8601, Japan
Phone: +81-52-747-6303 Fax: +81-52-747-6313

2) Regarding research content:

Prof. Masafumi Hirahara
Chief of Division for Ionospheric and Magnetospheric Research
Institute for Space–Earth Environmental Research, Nagoya University
F3-3 (250), Furo-cho, Chikusa-ku, Nagoya, Aichi 464-8601, Japan
Phone: +81-52-789-4309 e-mail: hirahara@nagoya-u.jp

11. Affirmative Action Statement:

Institute for Space–Earth Environmental Research is committed to promoting of Gender Equality. To learn more, please visit our web page ;

<http://www.kyodo-sankaku.provost.nagoya-u.ac.jp/en/>

12. Note:

The organization of the Institute, including the Research Divisions and Centers, and the fusion research projects promoted by the Institute, can be viewed at

<http://www.isee.nagoya-u.ac.jp/research.html>.