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Job opportunity at the
Institute for Space-Earth Environmental Research, Nagoya University
(ISEE job opportunity announcement No. 12 FY2021)

1. Job title and number of positions: Professor, one position

2. Division: Division for Integrated Studies

3. Background and requirements: The Institute for Space-Earth Environmental Research (ISEE)*¹, Nagoya University, conducts studies to elucidate the mechanisms and interactions of various phenomena in the holistic Earth, Sun, and Universe system. The mission of ISEE is to contribute to solutions for global environmental problems facing humankind and to the progress of human society spreading into space through the integration of space science and earth science. ISEE plays a unique role in linking these disciplines as one of Japan's Joint Usage/Research Centers*², and promotes a wide variety of collaborative research. To realize this mission, ISEE has organized seven research divisions and three research centers across which a wide range of observational, data-centered, experimental, and numerical research is performed in collaboration with broad communities engaged in space-earth environmental research.

The Division of Integrated Studies*³ conducts comprehensive research to understand the space-earth environment and to predict its dynamics, mainly through data analysis, numerical modeling and simulations. This division also practices science and engineering integrated education through a joint course of the Graduate Schools and Faculties of Science and Engineering, Nagoya University. The Center for Integrated Data Science (CIDAS)*⁴ conducts research and development to advance the study of space-earth environmental systems based on large-scale data analyses and advanced numerical simulations.

We invite applications for a position of Full Professor within the Division of Integrated Studies to lead space-earth environmental research efforts centered on the solar and heliospheric system based on advanced numerical simulations and mathematical/data science. In particular, we expect the candidate to fully understand the mission of ISEE as a Joint Usage/Research Center, and to actively engage in the development of international joint research efforts. For this reason, the candidate for this position will also serve as a member of CIDAS and will lead research and development of data analysis and numerical modeling related to Japan's solar and heliospheric observation satellite programs. In addition, we expect the candidate to be

actively involved in education as a member of the Graduate School of Science, Nagoya University.

4. Qualifications: Ph.D. or equivalent

5. Job details: Full professor (The retirement age in Nagoya University is 65 years old.)

6. Date of appointment: The earliest date possible

7. Application deadline: 24:00 JST, May 31, 2022 (Tuesday)

8. Selection method: Document screening and interview, when necessary.

9. Documents to be submitted:

- 1) A curriculum vitae
- 2) A summary of your past research activities (A4 or US letter size within 2 sheets)
- 3) List of publications and research activities (organized to follow: **a.** first-authored peer-reviewed papers, **b.** co-authored peer-reviewed papers, **c.** books, **d.** non-peer-reviewed papers, **e.** invited lectures, **f.** others. If a DOI is registered for any item, please ensure it is included.)
- 4) List of major publications (up to 5 major papers; please include DOI and the number of citations by NASA/ADS or other source)
- 5) List of external funds earned so far (Those as principal investigator and others, separately)
- 6) A statement of future research plans (A4 or US letter size, maximum 4 pages; Please include also a statement on commitment to the Joint Usage/Research Center and to education.)
- 7) Possible start date
- 8) Names, affiliations, and email addresses of three professional references (Those who belong to multiple countries/regions should be included.)

10. Submission:

Applicants are required to make one PDF file (up to 10MB. If the file size is larger than it, please contact the address in "11. Contact: 1") that includes all documents and send it by email to the following address with the subject "Application for ISEE job opportunity No. 12 FY2021."

inst-recruit (at) adm.nagoya-u.ac.jp ※ Please to replace the (at) with @

(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 “11. Contact: 1) Regarding documents to be submitted .”)

11. Contact:

1) Regarding documents to be submitted

Youhei Sato, General Affairs Division

Institute for Space-Earth Environmental Research, Nagoya University

F3-3 (250), Furo-cho, Chikusa-ku, Nagoya, Aichi 464-8601, Japan

Email: ken-jin (at) adm.nagoya-u.ac.jp ※ Please to replace the (at) with @

Phone: +81-52-747-6305

2) Regarding ISEE and application content

Prof. Kanya Kusano, Director

Institute for Space-Earth Environmental Research, Nagoya University

F3-3 (250), Furo-cho, Chikusa-ku, Nagoya, Aichi 464-8601, Japan

Email: kusano (at) nagoya-u.jp ※ Please to replace the (at) with @

Phone: +81-52-747-6337

12. 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/>

The contents herein are originally created in Japanese. If any discrepancies do exist, the original Japanese version shall prevail.

(*1) Refer to the following for ISEE.

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

(*2) Refer to the following for the Joint Usage/Research Center.

https://www.mext.go.jp/a_menu/kyoten/

(*3) Refer to the following for the Division of Integrated Studies.

<https://is.isee.nagoya-u.ac.jp/>

(*4) Refer to the following for the Center for Integrated Data Science (CIDAS).

<https://cidas.isee.nagoya-u.ac.jp/>