

## **Postdoctoral Fellow at the Institute for Space-Earth Environmental Research (ISEE), Nagoya University**

### Summary

Project for Solar-Terrestrial Environment Prediction (PSTEP; <http://www.pstep.jp/>) is a nation-wide research collaboration supported by a Grant-in-Aid for Scientific Research on Innovative Areas from MEXT/Japan. PSTEP aims to contribute to building a next-generation space weather forecast system to prepare for severe space weather disasters by answering some of the fundamental questions concerning the solar-terrestrial environmental system. Successful candidates will work under a project “Solar-Terrestrial Environment Prediction as Science and Social Infrastructure” of PSTEP. The successful candidates are required

- (1) to mainly analyze the Arase data on radiation belts and inner magnetosphere to compare them with results from the radiation belt simulations in order to contribute understanding and predictions process on variations of the outer belt electrons, or
- (2) to mainly analyze ground-based GNSS (Global Navigation Satellite System) and optical measurement data to compare them with outputs from a whole atmosphere-ionosphere coupled model, GAIA (Ground-to-topside model of Atmosphere and Ionosphere for Aeronomy) in order to contribute to prediction of the ionospheric variations.

### Job requirements and Qualifications

1. Work location: Institute for Space-Earth Environmental Research (ISEE), Nagoya University
2. Appointment conditions:
  - (1) Position: Postdoctoral researcher
  - (2) Salary: Approx. 400,000JPY/month
  - (3) Work hours: 38.75 hours/week
  - (4) Insurance enrollment: Health insurance, Welfare pension, Employment insurance, Workers compensation insurance
3. Research area: magnetospheric physics or ionospheric physics
4. Number of persons: 2
5. 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.
6. Starting date: May 1, 2019 or later at the earliest possible time
7. Term of employment: Up to March 31, 2020
8. Application deadline: 5:00pm on Thursday, February 28, 2019 (Japan standard time)
9. Screening process: Document screening and, if necessary, interview
10. Application materials:
  - (1) Curriculum Vitae
  - (2) Summary of research achievements (up to two A4 sheets)
  - (3) List of publication and research activity
  - (4) PDF files of the three most important publications
  - (5) Research plan (up to two A4 sheets)
  - (6) Name and contact of two professional references
  - (7) Possible starting date
11. Method of application:

Applicants should send application materials to the email address below with “Application to PSTEP Post-Doc” in the subject heading.

Submission email address: [application-pstep-pd@stdb2.isee.nagoya-u.ac.jp](mailto:application-pstep-pd@stdb2.isee.nagoya-u.ac.jp)

After submission, applicants should make further inquiries if a confirmation email is not received within three days of their submission.

12. Inquiries:

Prof. Yoshizumi Miyoshi or Dr. Yuichi Otsuka  
Institute for Space-Earth Environmental Research (ISEE), Nagoya  
University  
F3-3 (250), Furo-cho, Chikusa-ku, Nagoya, Aichi 464-8601. Japan  
e-mail: [miyoshi@isee.nagoya-u.ac.jp](mailto:miyoshi@isee.nagoya-u.ac.jp)      [otsuka@isee.nagoya-u.ac.jp](mailto:otsuka@isee.nagoya-u.ac.jp)

13: Remarks:

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 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.