

Announcement of Faculty Position

*Advanced Research Center for Space Science and Technology
Institute of Science and Engineering, Kanazawa University*

1. Position:

Tenure Track (TT) Assistant Professor

2. Affiliation:

Advanced Research Center for Space Science and Technology, Institute of Science and Engineering, Kanazawa University

<https://arc-sat.w3.kanazawa-u.ac.jp/>

3. Field of specification:

Measurement Engineering of Solar-Terrestrial Environment (Radio Engineering in Space, Electromagnetic Environment in Space, Space Plasma Physics)

We are seeking a candidate who will:

- (1) belong to Solar-Terrestrial Science Division, Advanced Research Center for Space Science and Technology,
- (2) lead innovative research and development in information science and signal processing to be applied to scientific satellites and onboard instruments for measuring the solar-terrestrial electromagnetic environment and/or observing the Earth's environment from space,
- (3) research and develop cutting-edge technologies to maximize scientific outcomes from the acquired data,
- (4) promote nano/micro-satellites of Kanazawa University and other international/national spacecraft missions by developing innovative instruments and intelligent onboard data processing (edge computing) methods, and studying data processing technologies on the ground effective for space big data,
- (5) supervise undergraduate and graduate students.

4. Teaching responsibility:

- 1) School of Electrical, Information and Communication Engineering, College of Science and Engineering, Kanazawa University
- 2) Division of Electrical, Information and Communication Engineering, Graduate School of Natural Science and Technology, Kanazawa University

5. Subject responsibility:

Lectures and laboratories related to the above-mentioned specialized fields at the undergraduate and graduate schools (some lectures may be in English)

6. Employment status:

A full-time tenure-track assistant professor (non-tenured, in principle, 5-year term)

<https://www.se.kanazawa-u.ac.jp/wp-content/uploads/2022/12/tenure.pdf> (in Japanese)

Based on the results of an internal review by Kanazawa University concerning research and educational achievements, the promotion to tenure associate professorship or the appointment of tenure assistant professor is possible. If the extension of the tenure track period (up to 3 years) is approved by the internal review, the review will be conducted in the final year of the extended period.

* Outline for the standard in making decision on the approval of academic tenure.

- (1) Research achievement in the concerned field is outstanding in both domestic and international research communities.
- (2) Appropriately planned research is sufficiently achieved.
- (3) Sufficient competitive research funding is obtained.
- (4) Educational achievement for students (research guidance and lecture) is outstanding.

7. Treatment:

Startup research budget (800,000 yen) is provided in the first year.

8. Compensation:

Annual salary system is applied.

9. Qualification requirements:

- 1) The candidate should be a researcher with a doctoral degree.
- 2) The candidate should have excellent research achievements in the fields of space science utilizing measurement engineering, communication engineering and statistical science.
- 3) The candidate should have excellent knowledge and experience in the development of satellites and instruments.
- 4) The candidate should have enthusiasm for education and research, and can promote academic-industrial collaboration.
- 5) The candidate should possess sufficient communication skills in Japanese and English.

10. Start of employment:

As early as possible after October 1st, 2025.

11. Documents for applications (in free format on A4 size paper)

- 1) Curriculum vitae,
- 2) List of publications (Journal papers and international conference papers (reviewed) should be respectively listed in chronological order.) (Candidate's name should be underlined. Each paper published in journal listed in SCI-expanded should be put (*) mark as well as the journal's impact factor.),
- 3) List of activities in academic society,
- 4) List of research grants acquired,
- 5) Details of research and educational experiences (1 page),
- 6) Copies of the 3 to 5 most important papers,
- 7) Research plan and teaching philosophy (1 page),
- 8) Name and contact information of two reference persons.

★ For the item 1) - 5) described above, use the MS word file located at the following URL:

<https://www.se.kanazawa-u.ac.jp/en/campanies-and-reserchers>

Use separate sheets for other items 6) - 8) with free format.

★ Submit all the items by postal mail or e-mail.

★ In the case of postal mail, submit the hardcopies of all the above documents together with the files in Word or PDF format on CD-R or USB flash drive.

★ If you are sending by email, the total amount of data must be limited to 5MB. If it exceeds this amount, please use a file uploader.

12. Deadline for application:

May 30th, 2025 (due NLT)

13. Selection process:

After reviewing the submitted documents, shortlisted candidates will be requested to give presentation and take interview. In that case, travel expenses will not be covered.

14. Postal address:

In the case of postal mail:

Prof. Satoshi YAGITANI, Director of Advanced Research Center for Space Science and Technology,
Institute of Science and Engineering,
Kanazawa University, Kakuma-machi, Kanazawa 920-1192, Japan

*Documents should be sent by registered mail/courier marked with "Application to Faculty Position on Measurement Engineering of Solar-Terrestrial Environment" on the envelope.

*The submitted documents will not be returned.

In the case of e-mail:

E-mail: yagitani@is.t.kanazawa-u.ac.jp

*Documents (or the URL of the uploader) should be sent via an e-mail with the subject line "Application to Faculty Position on Measurement Engineering of Solar-Terrestrial Environment."

*If you do not receive a reply within two days after sending your email, please contact us at "kasahara@staff.kanazawa-u.ac.jp."

15. Contact person:

Prof. Yoshiya KASAHARA, Head of the Solar-Terrestrial Science Division,
Advanced Research Center for Space Science and Technology,
Institute of Science and Engineering,
Kanazawa University, Kakuma-machi, Kanazawa 920-1192, Japan
Phone: 076-234-4952

E-mail: kasahara@staff.kanazawa-u.ac.jp

16. Additional information:

- 1) The website below gives information about employment regulation.
<https://www.kanazawa-u.ac.jp/university/administration/regulation/rules> (in Japanese)
- 2) Kanazawa University also promotes the courses delivered in English under the internationalization policy.
<https://www.kanazawa-u.ac.jp/sgu/en/>
- 3) Kanazawa University promotes the development of diversity in the research and education environment.
<https://ipdi.w3.kanazawa-u.ac.jp/en/>
- 4) The Institute of Science and Engineering welcomes applications from female researchers in accordance with the purport of the Basic Act for Gender Equal Society.