

JOB VACANCY ANNOUNCEMENT

- IT Security Assistant Manager, National Astronomical Observatory of Japan (NAOJ) –

1. Job Title: Associate Professor (Senior Lecturer equivalent) , one position
2. Division and Location: IT Security Office, NAOJ, Mitaka, Tokyo, Japan
3. Area of Expertise: information and communication technology and/or related fields
4. Job Description:

The National Astronomical Observatory of Japan (NAOJ) has the IT Security Office that orchestrates efforts and services to protect the information assets owned by NAOJ.

We invite applications for the position of IT Security Assistant Manager at the NAOJ who leads and manages the IT Security Office and as necessary reports about security incidents to both of the Chief Information Security Officers (CISOs) of the NAOJ and the National Institutes of Natural Sciences (NINS). To open up new frontiers of astronomy, the successful candidate is expected to undertake as the person in charge the design, development, and operations of cutting-edge services necessary to support various activities for astronomical and development research including administrative works. The successful candidate will carry out the following tasks in an integrated manner in cooperation with the NAOJ's projects, Advanced Technology Center, Astronomy Data Center, Division of Science, and Administration Department.

a. Information Network Service

The candidate is expected to have the ability to undertake as the person in charge the design, development, and operations of the backbone network system for communication services and network access within a reasonable cost in consideration of needs for research and other works and in compliance with relevant laws and regulations. In particular, the candidate is expected to have practical experience of utilizing wired LAN, wireless LAN, Ethernet, VxLAN, network authentication, and Microsoft Azure, and also have familiarity with the future technologies such as SRv6, Wi-Fi6, and Local 5G.

b. Application Service

The candidate is expected to have the ability to utilize and provide as the person in charge such computing services as IP/SaaS. In particular, the candidate is expected to have practical experience of utilizing public cloud services, on-premise cloud services, virtualization, virtual container system, and IP telephone exchange equipment and also provide these services as the person in charge.

c. Security Service

The candidate is expected to have the ability to establish and operate a network system, which is designed to prevent computer security incidents and contain damages in the case of an incident, and to have skills to be part of the Computer Security Incident Response Team (CSIRT) that conducts audits and damage investigations. In particular, the candidate is expected to have the ability to perform risk assessment and implement damage control measures by Unified Threat Management (UTM) and network zoning/layering.

d. Communication Service

The candidate is expected to have the ability to design, develop, and operate a terabit-scale broadband communication network system and internet access services. In particular, the candidate is expected to have practical experience of utilizing advanced broadband communication technologies such as 400G/100Gbps, DWDM, IP, MPLS, VxLAN, SRv6, and BPG.

e. International Collaboration

The candidate is expected to have the ability to collaborate with R&D networks in Japan and abroad, maintain broadband networks worldwide, and support NAOJ's research activities. In particular, the candidate is expected to have practical experience of collaborating with partners of R&D networks such as Japanese Gigabit Network (JGN), Science Information NETWORK (SINET) and so on.

5. Terms of Appointment:

The successful candidate should be able to start as soon as possible after the job offer has been accepted. The term of contract is up to the end of the Japanese academic year in which the faculty reaches NAOJ's mandatory retirement age of 65. The probation period of six months is included.

6. Minimum Educational Requirement: Ph.D. or equivalent

7. Required Application Materials: (*To be prepared in English. Any other language will not be accepted)

- (1) A cover letter,
- (2) A curriculum vitae,
- (3) Publications list (Separate refereed and non-refereed papers. List patents too. SPIE and COSPAR can be included in refereed papers.),
- (4) A summary of your past research activities including international collaborations,
- (5) Your commitment and plan to fulfill the duties,
- (6) Your address (e-mail and phone) for prompt contact and the email address of your current

supervisor or line manager,

(7) Three or more reference letters. Note that your current supervisor or line manager cannot be your reference. Please ask your references to upload the letters directly to an NAOJ job application system shown in 9 before the deadline. Applicants are responsible for ensuring that the letters are submitted before the application deadline. (Reference letters should be sent from more than one country.)

8. Application Deadline: 2020-06-15, 17:00 (Japan Standard Time)

9. Submission:

Applicants are required to apply via the NAOJ job application system on the web:

<https://jobregister.nao.ac.jp/>

Please fill out the form on the web and upload the documents specified on the application form. If it takes time to prepare the documents, applicants should be issued applicant ID and reference IDs in advance. Reference letters should be uploaded by persons who have written the letter for you directly, following the instruction shown on the application form. Reference IDs and passwords are required to upload reference letters, so please inform references of the issued reference IDs and passwords.

The application documents should be converted to PDF (max 50MB each, 100MB in total, at most 10 files).

If you have any question related to the job description, contact;

E-mail: JobRegister-contact-10_AT_nao.ac.jp (replace _AT_ with @)

NAOJ vice-Director General, Professor Watanabe, Jun'ichi,
CISO, NAOJ,

Subject of e-mail: "Question on JD of NAOJ IT Security Assistant Manager"

If you have any question related to the application system or other items, contact;

E-mail: JobRegister-contact-10_AT_nao.ac.jp (replace _AT_ with @)

Subject of e-mail: "Question on NAOJ IT Security Assistant Manager"

10. Remarks:

- The NAOJ Advisory Committee for Research and Management will make the final decision for the appointment.
- Candidates selected in the final short list may be interviewed by the selection committee either via internet or face-to-face. The expense for the interview will not be covered by NAOJ.

- NINS Employee Regulations (NINS, or the National Institutes of Natural Sciences, is an executive institute that manages NAOJ) shall be applied to this position.
- The successful candidate will be employed under the scheme of the annual salary system of NAOJ and will be paid monthly in 12 equal payments. Retirement Allowance shall be paid.
- Policy for Equal Employment Opportunity: Abiding by the Equal Employment Opportunity Act for Men and Women, NAOJ is committed to the realization of a society with gender equality. If two candidates are deemed equal in their performance evaluation, NAOJ will take positive action to employ women. For details, see <https://open-info.nao.ac.jp/danjokyodo/>
- Information submitted in your application documents will not be used for any purpose other than the selection process and for contacting you with necessary notices in connection with the selection. Once the selection process is complete, we will securely dispose of all application documents and personal information, except for those submitted by the successful candidate.