

JOB VACANCY ANNOUNCEMENT

Associate Professor, National Astronomical Observatory of Japan (NAOJ)

1. Job Title: Associate Professor, one position
2. Division and Location: Center for Computational Astrophysics (CfCA), Mitaka (Japan)
3. Area of Expertise: Computational Astrophysics

4. Job Description:

As the sophistication of telescopes and observational instruments continues to increase, multi-dimensional high-resolution simulations taking into account realistic physics are becoming more and more important. The NAOJ has the CfCA, which has been operating a system of open-use computers for simulations centered around a general-purpose supercomputer, the special-purpose computer for gravitational many-body problems, and a general-purpose PC cluster for small-scale calculations, carrying out research and development of computational astrophysics, and performing astronomical research with simulations. The main supercomputer of the current system renewed in 2018, ATERUI II (Cray XC50), has a theoretical peak performance of 3 Pflops, which is the world's fastest supercomputer for astronomy.

We invite applications for the position of an Associate Professor at the CfCA who leads and manages the CfCA computer system and uses it for computational astrophysics. The successful candidate is expected to lead scientific projects with the CfCA computer system. The associate professor will be responsible for the following tasks.

Service:

- Management of the supercomputer replacement
- Operation and development of the CfCA computer system

Research:

- Leading scientific research with the CfCA computer system
- Development of the simulation code that can be opened to the public

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. Qualification:

Minimum Educational Requirement: Ph.D. or equivalent in astronomy or related fields.

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

- (1) Cover letter,
- (2) Curriculum vitae,

- (3) Publication list (Separate refereed and non-refereed papers),
- (4) Summary of your past research activities,
- (5) Outline of plans for this position,
- (6) Your easily reachable contact information (e-mail and phone) and the email address of your current supervisor or line manager, and
- (7) Three or more reference letters. Note that your current supervisor or line manager cannot be your reference. Please ask your references to upload their letters directly using the URL indicated in 9.(1) before the application deadline. Applicants are responsible for ensuring that the letters are submitted before the application deadline. Reference letters should be written by faculty/staff with tenured positions, and no more than two reference letters will be accepted from the same country.

8. Application Deadline: 2021-08-31, 12:00 (noon) (Japan Standard Time)

9. Submission:

- (1) Applicants are required to apply via the NAOJ Nextcloud on the web. Please access the application form at the following URL:

<https://forms.office.com/r/hSLvj3CMwB>

After you submit the initial form, you will receive an email showing the URLs for (a) uploading your application documents, and (b) for your reference letters.

Once you get the URL(a) for your application documents, please upload the the files corresponding to the documents (1) through (6) stated in 7. These files must be in PDF format (max 50MB each, 100MB in total, at most 10 files).

Please ask your references to upload their letters via the URL(b) your receive for this purpose.

- (2) If you have any question related to the job description, contact

E-mail: kokubo.eiichiro_AT_nao.ac.jp (replace _AT_ with @),

Eiichiro Kokubo, Director of Center for Computational Astrophysics, NAOJ

Subject of e-mail: “Question on JD of Associate Professor in CfCA, NAOJ”

- (3) If you have any question related to the application process or other items, contact,

E-mail address: apply-CfCA-assocprof20210831_AT_nao.ac.jp (replace _AT_ with @)

Subject of e-mail: “Question on Associate Professor in CfCA, NAOJ”

10. Notes for application:

- Candidates selected in the final short list may be interviewed by the selection committee either via internet or face-to-face. The expenses incurred for the interview will not be covered by NAOJ.

11. Remarks

- The NAOJ Advisory Committee for Research and Management will make the final decision for the appointment.
- 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://www2.nao.ac.jp/~open-info/danjokyodo/index.html>

- If you have taken a leave(s) such as for maternity, child care, and/or family care, please indicate it in your curriculum vitae. We will consider it when assessing your performance.
- Smoking is prohibited on the premises excluding designated outdoor smoking areas.
- 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.