

## JOB VACANCY ANNOUNCEMENT

Project Associate Professor, National Astronomical Observatory of Japan (NAOJ)

NAOJ announces a Project Associate Professor position for the Subaru Ground Layer Adaptive Optics (GLAO) Project.

1. Job Title: Project Associate Professor, one position

2. Division and Location: Subaru Telescope, Mitaka (Japan)

3. Area of Expertise: Optical and Infrared Astronomy, Instrument Development, Adaptive Optics

4. Job Description:

Conduct research and development activities on the optics / opt-mechanics system for future advanced large optical / near-infrared telescopes. The successful candidate's activities will be those such as but not be limited to:

- Development of advanced wavefront control technique of large-scale optics /opt-mechanical devices. It includes an adaptive secondary mirror design and the performance analysis at Subaru Telescope, and segment primary mirror units manufacturing for Thirty Meter Telescope Project.;
- Development of optical measurement, calibration and evaluation technique for above large-scale aspherical and/or non-symmetrical shape optics;
- Leading the production of the above systems and establishing the product assurance procedure of the precise large-scale optical systems;
- Participating in the design and prototyping of the optomechanical components for the adaptive optics system using the adaptive secondary mirror;
- Close Coordination with optical and mechanical engineers, technicians, and scientists of Advanced Technology Center for the development is expected.

5. Terms of Appointment:

The successful candidate should be able to start as soon as reasonably possible after the job offer has been accepted.

The term is for five (5) years, including the probation period of six (6) months. Annual performance review will be conducted. In case that the successful candidate was an NINS employee after 2013 April 1, the term may be set so that the total accumulated terms of the employment does not exceed ten (10) years.

6. Minimum Academic Requirements:

- (1) Ph.D. or equivalent in astronomy or related fields;
- (2) Deep knowledge and experience in adaptive optics development;

- (3) Knowledge and experience in design, fabrication, and/or test of the optical systems including deformable mirror;
- (4) Extensive knowledge and experience in the field of optical and infrared astronomy and instrumentation;
- (5) Capability to join, discuss and collaborate with international teams;
- (6) Good communication skills to collaborate with the project members and relevant administrative, science, and engineering staff.

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

- (1) Cover letter,
- (2) Curriculum vitae,
- (3) Publications list (Separate refereed and non-refereed papers. SPIE can be included in refereed papers.),
- (4) Summary of your past research activities including international collaborations,
- (5) Your plans to fulfill the responsibilities and aspirations for the position (including research plan as needed),
- (6) Your easily reachable contact information (e-mail and phone) and the e-mail address of your current supervisor or line manager,
- (7) Two 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 written by faculty/staff with tenured positions, and no more than one reference letter will be accepted from each country).

8. Application Deadline: 2020-07-10, 15:00 (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 an 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: [minoways\\_AT\\_naoj.org](mailto:minoways_AT_naoj.org) (replace \_AT\_ with @)

Yosuke Minowa, Subaru GLAO Project Manager

Subject of e-mail: "Question on JD of Project Associate Professor for GLAO project".

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

E-mail: [JobRegister-contact-10\\_AT\\_nao.ac.jp](mailto:JobRegister-contact-10_AT_nao.ac.jp) (replace \_AT\_ with @)

Subject of e-mail: "Question on Project Associate Professor for GLAO project".

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 expense for travel to the interview will not be covered by NAOJ.

- If the selection committee deems that there is no qualified candidate for this position, it is possible no one will be selected.

#### 11. Remarks

- The NAOJ Advisory Committee for Research and Management will make the final decision for the appointment.
- This position will be employed under an annual salary system and will receive monthly in 12 equal payments.
- 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 <http://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.