

## **JOB VACANCY ANNOUNCEMENT**

### **- Associate Professor, National Astronomical Observatory of Japan (NAOJ)**

The National Astronomical Observatory of Japan (NAOJ) has a position open for associate professor who will lead research and development for optical and infrared astronomy and instrumentation. We expect applications from scientists and engineering scientists who are willing to actively take on new challenges in this field.

NAOJ has been playing a key role in the forefront of astronomical research worldwide, as demonstrated in the construction and operation of large-scale astronomical facilities such as the Subaru Telescope, ALMA, and TMT (Thirty- Meter Telescope) as well as in the development of space-based instruments such as Hinode Satellite for solar observation, in the effort to promote cutting-edge astronomy utilizing these advanced telescopes. The Subaru Telescope, an 8.2m large optical-infrared telescope, has been producing excellent science results in the field of optical-infrared astronomy.

1. Job Title: Associate Professor, one position

2. Division and Location: Subaru Telescope, NAOJ, 650 North A'ohoku Place, Hilo, Hawaii 96720, USA

3. Area of Expertise: Optical and infrared astronomy and instrumentation, in particular, adaptive optics system development

4. Job Description:

We invite applications for an associate professor position at the Subaru Telescope. A successful candidate for this position is expected to: 1) lead the international development team as project manager of a facility instrument development program of the Subaru Telescope, ULTIMATE-Subaru (ULTIMATE) project; 2) take the responsibility for the science operation of ULTIMATE; and 3) promote research activities that have notable impact on related science fields as well. In addition to these main roles, a successful candidate is also expected to lead and contribute the development of instrumentation for TMT and future astronomical programs through the ULTIMATE project or after its completion.

ULTIMATE is a forthcoming large instrument project of the Subaru Telescope. The project consists of two instrumentation plans: a ground layer adaptive optics (GLAO) system and wide field infrared instruments supported by the GLAO. ULTIMATE provides a wide field (14 arcminutes or more), high spatial resolution (0.2 arcsec) observation capability in near-infrared band for the Subaru Telescope. It is also expected that ULTIMATE will be complementary to the infrared space telescope such as Wide Field Infrared Survey Telescope (WFIRST). Along with

Hyper Suprime-Cam (HSC) and Prime Focus Spectrograph (PFS), it will serve to maximize the wide field observation capability of the Subaru Telescope in the TMT era.

As qualifications for this position, applicants are expected to have extensive experience and skills in the field of optical and infrared astronomy and instrumentation, and leadership or system engineering ability to strongly promote astronomical research and development in order to meet the demands of the times. In particular, applicants must have a profound knowledge of adaptive optics system, which is required for the development of ULTIMATE.

#### 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 of the contract will continue up to the end of the Japanese academic year in which the professor reaches NAOJ's mandatory retirement age of 65.

#### 6. Minimum Requirements:

- (1) Ph.D. or equivalent
- (2) Internationally recognized research results in the field of expertise
- (3) Experience as a lead or key member of the development team for astronomical projects

#### 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 past research activities including international collaborations;
- (5) Plans to fulfill the responsibilities and aspirations for the position (including your research plan as needed);
- (6) Easily reachable contact information (e-mail and phone) and the e-mail address of your current supervisor or line manager.
- (7) Three or more reference letters. Please ask your references to send their letters as an e-mail attachment to the submission address shown in 9. (1). Applicants are responsible for ensuring that the letters arrive before the application deadline.

8. Application Deadline: 17:00 Monday, July 1st, 2019 (Japan Standard Time)

9. Submission:

(1) E-mail your application documents to:

(E-mail address): apply-subaru-assocprof20190701\_AT\_ao.ac.jp (replace \_AT\_ with @)

(Subject of e-mail): “Application for Associate Professor Position of Subaru Telescope”.

(2) Contact for Inquiries:

(E-mail address): yoshida\_AT\_aoj.org (replace \_AT\_ with @)

Prof. Michitoshi Yoshida, Director of Subaru Telescope, NAOJ

10. Notes for Application:

- Convert each application document (from 7.(1) through 7.(6) above) into a separate PDF file and attach them to your e-mail.
- Make PDF files with appropriate resolution so that they won't be too large (file size: up to 10 MB)
- Upon receipt of your application, you will receive a confirmation e-mail. If you do not receive any response from NAOJ within 3 working days, please contact:  
(E-mail address): apply-subaru-assocprof20190701\_AT\_ao.ac.jp (replace \_AT\_ with @)
- 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.
- 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.ao.ac.jp/danjokyodo/>

12. Benefit

- Salary is dependent upon experience and qualifications. Benefits, including relocation cost support, are determined by the NAOJ rules.