

# Recruitment Announcement for Specially Appointed Assistant Professor (Employee on Annual Salary System) at Division of Radio Astronomy

## 1. Position:

Specially Appointed Assistant Professor (Employee on Annual Salary System)

2. (1) Division: Division of Radio Astronomy, National Astronomical Observatory of Japan

(2) Work Location: 2-21-1 Osawa, Mitaka, Tokyo, Japan

3. Field: Astronomy and related fields

## 4. Job Description:

The Division of Radio Astronomy at the National Astronomical Observatory of Japan invites applications for a Specially Appointed Assistant Professor position. The successful candidate will work with Prof. Ryohei Kawabe at NAOJ, co-investigator of the research project titled “Research of Cosmic Star Formation History via blind line emitter galaxies at millimeter(mm) and sub-mm wavelengths” (PI: Prof. Kotaro Kohno at the University of Tokyo), based on the JSPS Grant-in-Aid for Scientific Research (S). In this research, we are planning to develop an innovative instrument, i.e., ultra-wide band imaging spectrograph (DESHIMA Array) using KID device which is to be installed into the LMT 50-m telescope in Mexico. The duties and responsibilities for this position will include the following:

- to develop calibration strategy of data from the imaging spectrograph
- to develop observing strategy and data reduction tools
- to conduct engineering tests and scientific commissioning on the LMT

The successful candidate will also be expected to perform her/his own scientific research using mm/sub-mm telescopes, etc. along with these duties.

5. (1) Start of Employment: As soon as reasonably possible on or after April 1, 2018

(2) Term of Employment: 4 years (From April 1, 2018 to March 31, 2022)

## 6. Qualifications:

The applicant shall have the following qualification and capabilities:

- (1) Doctoral degree or equivalent
- (2) Knowledge in astronomy, past experience in radio observation and/or development and commissioning of equipment for radio observation

7. Required Application Documents:

- (1) Curriculum Vitae
- (2) List of research papers (separate refereed and non-refereed papers and the role of the applicant for each)
- (3) Research activities (describe your research achievements in astronomy, focusing primarily on actual experiences and accomplishments in relation to the research, development, commissioning, and operation of the radio telescope and other observational instruments)
- (4) Outline of research plans for this position (describe your commitment and policies towards the development and commissioning of the DESHIMA Array in addition to your personal research plans)
- (5) Name and e-mail addresses of two reference persons
- (6) If you wish to arrange for letters of recommendation (a maximum of 2 letters will be accepted), please have them sent directly from the reference persons to the e-mail address shown in 9. to arrive before the application deadline
- (7) Contact information (your e-mail address)

8. Application deadline: Thursday, January 4, 2018 at 17:00 JST

9. Application submission and inquiries:

Send your application documents by e-mail to:

E-mail: ryo.kawabe\_AT\_ao.ac.jp (replace \_AT\_ with @)

For inquiries: Prof. Ryohei Kawabe, Division of Radio Astronomy

E-mail: ryo.kawabe\_AT\_ao.ac.jp (replace \_AT\_ with @)

Tel: +81-0422-34-3900 (ex 3129)

10. Notes for Application:

- Convert all application documents into separate PDF files and send via e-mail.
- Make PDF files with appropriate resolution so that they would not be too large (file size: up to 10 MB).

- Upon receipt of your application, you will receive a confirmation e-mail within three working days. If you do not receive any response from NAOJ, please notify the above e-mail address.

11. Remarks:

- The Specially Appointed Assistant Professor will be employed under an Annual Salary System, and will receive a salary proportionate to the pay grades of a national university assistant professor (paid monthly in 12 equal payments).
- Final selection will be made by the NAOJ Advisory Committee for Research and Management.
- 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/> (Japanese only)