



**Astronomical Institute**  
of the Czech Academy of Sciences



**EUROPEAN ARC**

ALMA Regional Centre | Czech



Astronomical Institute of the Czech Academy of Sciences and the Czech node of the European ALMA Regional Center (EU ARC) are seeking a candidate for

## Research associate – ARC node researcher/developer

**Main responsibility:** Successful applicant shall work on further development of the *Solar ALMA Observing Mode*. The main goal of the research under the contract will be to explore the possibilities of achieving solar observations with more extended ALMA array configurations and to identify their limits. The research will be performed within the ESO ALMA Development Study “*Towards High-resolution Solar ALMA Images: Overcoming current ObsMode limitations*” and in line with the Statement of Work (SoW) for this project. Work progress will be reported to ESO in regular intervals.

### **Key competences and qualifications:**

- Education in astronomy, astrophysics or physics, at least at the M.Sc. level.
- Experience in either interferometry (mm, radio – preferable) or in high-resolution solar imaging (e.g., optical, incl. advanced image processing). Ideally a combination of interferometric and solar-physics backgrounds.
- Pro-active approach to contribute ideas for improvement and future developments.
- Effective and committed team player.
- Proficiency in English (spoken & written).

### **Desired skills:**

- Programming in Python, expertise in CASA simulations.

**Job reference:** EUARC.CZ-2021

**Location:** Ondřejov observatory (located 30 km from Prague)

**Closing date (DD/MM/YYYY):** 14/01/2022, 23:59:59 CET

**Salary:** 1800 EUR/month after all deductions

**Employment type:** Fixed Term

**Institution:** Astronomical Institute of Czech Academy of Sciences

**Division:** Department of Solar Physics

**Hours per week:** Full Time

**Contract Duration:** 24 months

Along with your application, you should submit a single file containing a cover letter briefly outlining how you match the required criteria, your CV, and a list of publications.

Astronomical Institute (host of the Czech node of EU ARC) is a public research institution, largest in the Czech Republic in the field of astronomy & astrophysics. Czech node of the EU ARC represents a unique expert center for the solar observations with ALMA within the entire European ALMA Regional Center network.

The institute is strongly committed to promoting equality, all appointment will be made solely on merit. The salary is more than competitive in the scale of the Czech Republic – it represents approx. a double of the average wage in the country. Moreover, the Institute can provide affordable accommodation in Ondřejov.

**Enquiries about the vacancy, shortlisting and interviews:** Dr. Miroslav Bárta <[barta@asu.cas.cz](mailto:barta@asu.cas.cz)>