

## **JOB ANNOUNCEMENT DD 105/2022**

The Istituto Nazionale di Astrofisica – Osservatorio Astrofisico di Arcetri (INAF-OAA) is offering a two-year position in ***“Sviluppo di software per l’analisi di dati di spettroscopia astrofisica basato su algoritmi di deep learning” - (“Development of deep learning software for the analysis of astrophysical spectroscopic data”)***.

### **RESEARCH PROJECT**

The fellow will design and develop new deep learning software for the analysis of infrared and optical spectroscopic data coming from observations of both Galactic and Extragalactic sources carried out with ground-based telescope. The fellow will be also involved in the software of test and validation and on the publication on open-source platform.

### **ELIGIBILITY**

The appointment is expected to begin by June 30 2023 and will be for two years in the first instance, and renewable afterwards, subject to funding availability and performance review. The yearly gross salary is 26,000 Euros.

Prospective candidates are encouraged to contact:

- Dr. Giuseppe Germano Sacco [giuseppe.sacco@inaf.it](mailto:giuseppe.sacco@inaf.it) (INAF-OAA).

The deadline for sending applications is **January 31, 2023 – 11.59 p.m. (Italian time)**.

### **REQUIREMENTS**

- Master Degree in Computer science, Computer engineering, Physics or Astronomy or equivalent qualification, awarded by public or private Universities, Institutions, Research Organizations or Centres or other qualified research bodies, both in Italy and abroad, in the topics relevant to the scientific and technological area and the research object of this call.

With the sole scope of admission to this selection procedure, the equivalence of educational qualifications obtained abroad will be verified by the “Selection Committee” as of subsequent Art. 7, on the basis of documentation forwarded by the candidate as foreseen by Art. 3 of this “Call”, provided that, in case the candidate is the winner of the aforesaid procedure, the Administration will acquire the results of the verification performed by the “Selection Committee” and will forward them together with the documentation listed in Article 3, paragraph 2, letter a) or b) of the Decree n. 189 of the President of the Republic of 30 July 2009, plus the application of the candidate, to the Ministry of University and Research with the scope to acquire the opinion foreseen in Article 4, paragraph 2 of the aforementioned Decree.

- **PREFERENCIAL QUALIFICATIONS:**

- Degree thesis relevant to the object of the call;
- Training courses on software and methodologies relevant to the objectives of the call;

- Publications relevant to the objectives of the call;
- Documented professional activity in both the academic and non-academic sector, in areas relevant to the objectives of the call;

### **APPLICATION PROCEDURE**

Applications must be sent via e-mail to: [inafoaarcetri@pcert.postecert.it](mailto:inafoaarcetri@pcert.postecert.it). In the email subject the applicant should make explicit reference to: “**Bando MALSPEC – Domanda per assegno Professionalizzazione – DD n. 105/2022**”.

Applications must include the following Annexes **dated and signed**:

- the Application Form (Annex A);
- the self-certification Form (Annex B);

The applicant also needs to attach:

- 1) a copy of a valid identification document;
- 2) a curriculum vitae (**dated and signed**);
- 3) **if awarded outside Italy**, copy of academic qualifications and also transcripts in case of Master Degree;
- 4) a list of scientific publications;
- 5) any other work or publication the applicant deems useful;
- 6) a list of all submitted documents.

Incomplete or unsigned applications will be rejected.