JOB ANNOUNCEMENT DD 111/2022

The Istituto Nazionale di Astrofisica – Osservatorio Astrofisico di Arcetri (INAF-OAA) is offering an one-year (renewable) Research Grant position in ***"Support to the System Engineering (SE), Model-Based SE (MBSE), Assembly, Integration, Verification and Test (AIV/AIT) activities, including EMC Modelling and Verification, aimed at the design, development and test of scientific instrumentation for the discovery and characterization of extrasolar planets from space".***

RESEARCH PROJECT

The project, in the framework of the Ariel Space Mission (ESA's M4 Cosmic Vision Program Mission; https://arielmission.space; https://www.cosmos.esa.int/web/ariel), is related to the design, development and test/verification of opto-electronic scientific instrumentation, aimed at the discovery and characterization of extrasolar planets from space.

ELIGIBILITY

The appointment is expected to begin by June 5 2023 and will be for one year in the first instance, and renewable afterwards, subject to funding availability and performance review. The yearly gross salary is 28,000 Euros.

Prospective candidates are encouraged to contact:
Dr. Mauro Focardi mauro.focardi@inaf.it (INAF-OAA).

The deadline for sending applications is **February 15, 2023 – 11.59 p.m. (Italian time).**

REQUIREMENTS

➢   PhD in Physics, Aerospace Engineering, Electronics Engineering or Informatics or equivalent qualification awarded by public or private Universities, Institutions, Research Organizations or Centers 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.

Or, alternatively:

➢   Master Degree in Physics, Aerospace Engineering, Electronics Engineering or Informatics or equivalent qualification, together with 3 years of documented experience, awarded by public or private Universities, Institutions, Research Organizations or Centers 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**:

- Systems Engineering and Model-Based System Engineering for Space and ground-based applications
- AIV/AIT Engineering skills
- Electronics and opto-electronics design, development, testing and verification
- EMC design and verification skills
- SW design and development for space and ground-based instrumentation
- VIS and IR astronomy
- Exoplanets Science skills

➢ **APPLICATION PROCEDURE**

Applications must be sent via e-mail to: inafoaarcetri@pcert.postecert.it. In the email subject the applicant should make explicit reference to: **"Bando ARIEL (Resp. Focardi)-Domanda per Assegno Post Dottorato. DD n. 111/2022"".**

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.