D.D. n.46/2015

Selection procedure based on qualifications for one electronic technician fellowship (Borsa di Studio) **"Integration of the power supply system of the focal plane of the ASTRI camera and optimization of its control parameters".**

THE DIRECTOR OF THE "IASF – Palermo, INAF"

Taking into account	the "Decreto Legislativo 4 giugno 2003, n. 138 - Riordino dell'Istituto Nazionale di Astrofisica (INAF)" published on G. U. n.140, 19 June 2003;
Taking into account	the INAF Statute, approved on 7 March 2011, and effective as of 1 May 2011;
Taking into account	the INAF "Disciplinare di organizzazione e funzionamento dell'INAF" as of 03 May 2012;
Taking into account	the INAF "Regolamento sull'amministrazione, sulla contabilità e sull'attività contrattuale" as of 24 Oct 2004;
Taking into account	the INAF "Personnel Rules and Regulations" as of 1 Jan 2005;
Taking into account	the request of an electronic fellowship for the "Integration of the power supply system of the focal plane of the ASTRI camera and optimization of its control parameters" received by Dott. Giuseppe Sottile, technologist of IASF -Palermo;

Given

DECREES

Art. 1 – Research thesis project

A selection based on titles and qualifications with the possibility of an interview, is open for 5 (five) months one electronics Engineer fellowship (Borsa di Studio) under by cap. 1.05.08.02 – CRAM 1.05.03.15.09 "ASTRI MIUR 2014" for *"Integration of the power supply system of the focal plane of the ASTRI camera and optimization of its control parameters".*

The successful applicant will perform research in collaboration with Dr. Giuseppe Sottile at the IASF-Palermo. The research project will concern on the determination of the optimal parameters of the control system of the high voltage delivered by the focal plane of the ASTRI camera under the operating conditions. The successful applicant must also work to integrate the rest of the supply-components on the telescope ASTRI camera.

Art. 2 – Requirements

Applicants must fulfill the following requirements in order to be eligible for the fellowship:

- Degree in electronic engineering, obtained from an Italian or foreign University, recognized by the competent Italian authorities or taken as equivalent by the Selection Committee.

Additionally, expertise (PHD or Master thesis work) on the following topics will be considered as an asset:

- Experience in the design of software and firmware for microcontrollers in C, C++, Assembler, oriented to the automatic control of systems
- Experience of real time operating systems (RTOS) and communication standards such as CAN Bus, USB, Ethernet, Wi-Fi and Bluetooth.
- Experience in the design of systems for "Optimal Control" and "Multivariable and robust Control "
- Experience in the design of analog and digital electronic circuits
- Experience of electronic measures for debugging microprocessor cards
- Knowledge of software for the simulation of dynamic systems such as Matlab / Simulink
- Knowledge of the Altium Designer software for the design of printed circuit boards
- Knowledge of the embedded soft-core microcontroller in ALTERA FPGA

Art. 3 – Application procedure

Signed applications should be sent **in electronic form** (PDF) by Certified Mail or hand-delivered at the IASF-Palermo or by courier or by registered letter with acknowledgment of receipt , to the attention of the Direttore dell'IASF-Palermo, via Ugo La Malfa 153, 90146 Palermo, by July 27, 2015

Only applications received **by 27 July 2015** will be taken into full consideration. Please quote reference*: "Integration of the power supply system of the focal plane of the ASTRI camera and optimization of its control parameters"* as the subject of the application and of all correspondence.

The applicant must state clearly and precisely in the application form, under his/her own responsibility:

- name(s) and surname, date and place of birth, nationality, place of residence and address for correspondence;
- that he/she satisfies all the requirements described in article 2 of this Call;
- that he/she is aware of and is not ineligible under any of the restrictions described in article 4 of this Call.

The lack of any of the above mentioned declarations will determine the exclusion from the selection procedure for incomplete application.

The applicant should send the following documents:
- (1) The Application Form attached to this announcement, duly filled in;
- (2) A Curriculum Vitae, **signed and dated;**

- (3) A statement of research interests and qualifications, detailing in particular any past experience on the subject of this fellowship and relevant publications, if any;
- (4) A copy of a valid identity document (ID card or passport).

INAF accepts no responsibility for any miscommunication that may arise where inaccurate applicant contact details or where such details are out of date. It is the responsibility of the applicant to provide and confirm correct contact details for communication purposes. INAF also denies liability for problems related to the postal delivery service

Art. 4 – Ineligibility and incompatibility with other funding

Full professors, associate professors and "ricercatori" in Italian universities and employees of Italian research public institutions are all excluded from entering the competition.

The fellowship cannot be held at the same time with attendance at academic courses as those that formally give access to a doctorate, as well as with attendance at PhD courses with fellowship.

The fellowship is compatible to the attendance to a PhD course without a grant, and to specialization post-university courses, previous authorization of the scientific responsible.

The fellowship cannot be held contemporarily with other fellowships of any kind, except those awarded with the aim of integrating the training or research activity of the fellowship holder through a period spent abroad. Aggregation of income from working activities, also part-time, carried out continuously is not accepted. Instead, limited self-employed occasional work is compatible with the fellowship, only if this is not prejudicial to the research activity carried out for INAF. The Director of IASF-Palermo, where the fellowship program is carried out, must authorize this in advance.

When formally accepting the fellowship, the successful candidate will declare that he/she is not cumulating fellowships.
Retired persons are not eligible for the fellowship.

Art. 5 – Duration of the fellowship

The research fellowship is expected to cover 5 months since august 1st 2015. This period can be longer if asked by the responsible of the project and in accordance with the fund capability. The exact initial date could be reasonably delayed if requested by the completion of administrative procedures and/or for the cases mentioned in the art. 10 of this call.

Art. 7 – Salary

The total salary for this position will be **5000 Euro** and will be paid in deferred monthly installments. This amount is net of burdens to be charged to INAF-IASF Palermo and social charges.
The fellowship will not entail medical insurance, the fellow will be requested to have a personal accidents insurance for the duration of the fellowship.

Art. 8 – Selection Committee and selection procedure

The selection will be performed by a Selection Committee appointed by the Director of IASF-Palermo and is composed of three members, including the scientist in charge of the project. The selection is based on qualifications.

The total ranking score is 100 points: a maximum of 60 for titles, and a maximum of 40 (if needed) for the interview. At the conclusion of the selection procedure, the Selection Committee will produce a ranked list.

Art. 9 – Awarding of the fellowship

The highest-ranked candidate will receive a written notification with an offer of the fellowship, which will be anticipated by e-mail to assure a speedy process. Within 10 days from receipt of the formal notification of the award she/he must provide a formal declaration of acceptance of the fellowship, or of withdrawal. The declaration can also be anticipated by electronic mail. In case no declaration is received, the candidate is considered as withdrawn and thus excluded. The committee can then move down the ranking and repeat the procedure with the second-ranked candidate, and so on, until the fellowship is accepted. Under no circumstances, the signing of the contract starts a subordinate employment relationship or ensures any rights to access to permanent INAF staff positions.

Art. 10 – Starting date and fellowship obligations

Expected starting date of the fellowship is/should on **1 August 2015**. The holder of the fellowship:

- will start the activity on due date, as for the contract with IASF-Palermo, unless prevented by force majeure or exceptional circumstances, of which the Director of IASF-Palermo must be timely informed;
- will carry out her/his research project under the supervision of dr. Giuseppe Sottile who will also monitor the fellow's progress;
- is required to send a written note in case of withdrawal, with at least 30 days notice, otherwise IASF-Palermo will be entitled to retain or request the reimbursement of the salary amount corresponding to the notice time-span she/he has failed to send.

The holder of the fellowship who fails in carrying out her/his regular research activity, without producing justified reasons or lacks repeatedly to fulfill requirements or, according to the evaluation of the scientist in charge, shows evident inability to work on the thesis, will incur in the termination of the contract.

Temporary suspensions of the research fellowship are due in case of obligatory maternity leave or in case of illness lasting longer than one month or to any other serious reason. The reasons for suspending the research fellowship must be proved and certified, and promptly sent to the Director of IASF-Palermo.

Art. 11 – Personal Data

In accordance with art. 13, paragraph 1 of the Italian Legislative Decree n. 196/2003 and subsequent modifications, personal data provided by the candidates will be used exclusively for the purposes of this selection. Candidates wishing to obtain further information, or to exercise their rights under art. 7 of the above mentioned Legislative Decree, may contact the Responsible for the administration of this call, Osvaldo Catalano, Director IASF- PA.

Art. 12 – Applicable regulation

IASF-Palermo shall abide by provisions in force promoting equal opportunities for women and men, non-discrimination and respect of privacy in processing personal data.
For what not explicitly mentioned in this announcement, IASF-Palermo shall act in compliance with the regulations in force concerning Italian public selection procedures, when applicable by analogy.

The present call will also be published, according with art. 8 of INAF rules and regulations on the IASF-Palermo websites:
http://www.inaf.it
http://www.ifc.inaf.it

Palermo, 03/07/2015

The Director
(Osvaldo Catalano)

ANNEX 1: APPLICATION FORM

(TO BE SIGNED AND SCANNED INTO A PDF FILE TO BE E-MAILED TO THE ADDRESS PROVIDED BELOW)

INAF – IASF-Palermo
Via Ugo La Malfa 153
90146 Palermo -ITALY

Marina.Giannola@iasf-palermo.inaf.it

I, THE UNDERSIGNED,

(Forename(s))..
(Surname)...
Place of birth (Town/State)..
Date of birth (dd/mm/yy) ....
Nationality ....
Permanent residence address (number/street/town/postal code/Country):

....

Email address: ....
agree to the processing of my personal data, in accordance with Italian Leg. Decree n. 196/2003, for the purposes of the present selection procedure.

I, THE UNDERSIGNED,

having read the Call for applications for a Borsa di Studio entitled *"Integration of the power supply system of the focal plane of the ASTRI camera and optimization of its control parameters"*

APPLY

to the above mentioned position, and to this end, being aware that false declarations are punishable by law under art. 76 of Italian Presidential Decree n. 445/2000 and that this Administration will carry out random checks on the accuracy of the declarations made by candidates,

DECLARE

under my own responsibility and in accordance with articles 46 and 47 of Italian Presidential Decree 445/2000, that:

- I hold a -   degree in electronics engineering

  ....

  awarded by... on ....

- I have a good level of knowledge of the English language;

- I am aware of the restrictions described in Article 4, of the Call for applications for this research fellowship;

- I am not under any similar contract for research activities at INAF or any other Italian or foreign institution;

- I am not a retired person;

- I wish to receive any communication relating to the selection at the following postal and email addresses and that I will give due notice of any change of address:
  Address (number/street/town/postal code/Country): ……………………………………………………
  ……
  ………
  Email: …….

To be attached to this form:

- **Curriculum vitae, signed and dated by the applicant,** detailing the past experiences on the subject of this fellowship and any relevant publications;
- **Statement of research interests and list of previous qualifications;**
- **Copy of a valid identity document** (ID card or passport);

The Undersigned declares his/her consensus for his/her personal data to be treated respecting the Italian Law "Decreto Legislativo" n. 196/2003 and subsequent modifications and integrations, in order to fullfill the procedures necessary for the present Call.

Date   Signature

_____   _____

ANNEX 2: CV DECLARATION

(TO BE SIGNED, SCANNED INTO A PDF FILE AND MERGED INTO A SINGLE PDF FILE AS COVER OF YOUR CV. THEN PLEASE MAIL IT TO:
 Marina.Giannola@iasf-palermo.inaf.it

I, THE UNDERSIGNED,

being aware that false declarations are punishable by law under Article 76 of Presidential Decree no. 445 of 28th December 2000, and that this Administration will carry out random checks on the accuracy of the declarations made by candidates

DECLARE UNDER MY OWN RESPONSIBILITY

and in accordance with Articles 46-47 of Presidential Decree no. 445 of 28th December 2000 ("SELF-EXECUTED CERTIFICATE AND SELF-EXECUTED AFFIDAVIT")

THAT THE ATTACHED CV REPORTS TRUE STATEMENTS AND FACTS.

The Undersigned declares his/her consensus for his/her personal data to be treated respecting the Italian Law "Decreto Legislativo" n. 196/2003 and subsequent modifications and integrations, exclusively to fulfill the procedures necessary for the Call, for which this statement is made.

Date   Signature

_____   _____