



**Istituto Nazionale di Astrofisica**  
OSSERVATORIO ASTRONOMIC  
DI BRERA



D.D. n. 15/14

Selection procedure based on qualifications for one PhD research fellowship (Borsa di Ricerca) "*Microtopography of reflecting surfaces*".

**THE DIRECTOR OF THE "OSSERVATORIO ASTRONOMIC DI BRERA"**

|                            |  |
|----------------------------|--|
| <b>Taking into account</b> | the "Decreto Legislativo 4 giugno 2003, n. 138 - Riordino dell'Istituto Nazionale di Astrofisica (INAF)" published on G. U. n.140, 19 June 2003; |
| <b>Taking into account</b> | the INAF Statute, approved on 7 March 2011, and effective as of 1 May 2011;  |
| <b>Taking into account</b> | the INAF "Disciplinare di organizzazione e funzionamento dell'INAF" as of 03 May 2012;   |
| <b>Taking into account</b> | the INAF "Regolamento sull'amministrazione, sulla contabilità e sull'attività contrattuale" as of 24 Oct 2004;                                   |
| <b>Taking into account</b> | the INAF "Personnel Rules and Regulations" as of 1 Jan 2005;   |
| <b>Given</b>               | the amount awarded to INAF by MIUR for the E-ELT ESO project already transferred to INAF – OAB;  |

**DECREES**

**Art. 1 – Research thesis project**

A selection based on titles and qualifications is open to award for 2 (two) months one research fellowship (Borsa di Ricerca) "*Microtopography of reflecting surfaces*".

The successful applicant will perform research in collaboration with Dr. Giovanni Pareschi and Daniele Spiga at the Merate seat of the Brera Astronomical Observatory. The research project will concern the study of micro-morphological properties of reflecting surfaces in astronomical mirrors and their impact on angular resolution

**Art. 2 – Requirements**

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

- Master degree in Astronomy or Physics or Optical Engineering or equivalent, obtained from an Italian or foreign university

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

- Experience in metrology of astronomical mirror
- Experience in micro-topography of reflecting surfaces
- Experience on optical scattering modeling

### Art. 3 – Application procedure

Applications should be sent **in electronic form** (PDF), to the attention of Luca Ciarfaglia and cc to Rachele Millul at the following addresses: [luca.ciarfaglia@brera.inaf.it](mailto:luca.ciarfaglia@brera.inaf.it) and [rachele.millul@brera.inaf.it](mailto:rachele.millul@brera.inaf.it).

A printed and signed copy of the application shall also be sent by regular mail at the following address: **Ufficio Concorsi- INAF-Osservatorio Astronomico di Brera- Via Brera 28- 20121 Milano- Italy.**

Only applications received **by 10 March 2014** will be taken into full consideration. **Please quote reference “Microtopography of reflecting surfaces”. ” as the subject of the application and of all correspondence.**

**A. 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.**

**B. 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

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. This must be authorized in advance by the Director of INAF/OA-Brera, where the doctoral research program is carried out.

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 2 months since March 15<sup>th</sup> 2014. This period can be longer if asked by the responsible of the project and in accordance with the fund capability.

### **Art. 7 – Salary**

The month salary for this position will be **1600 Euro** and will be paid in deferred monthly installments.

### **Art. 8 – Selection Committee and selection procedure**

The selection will be performed by a Selection Committee appointed by the Director of INAF/OA Brera 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 70 for titles and qualifications, and a maximum of 30 (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 PhD 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 **15 March 2014**. The holder of the fellowship:

- will start the research activity on due date, as for the contract with INAF/OA-Brera, unless prevented by force majeure or exceptional circumstances, of which the Director of INAF – OA Brera must be timely informed;
- will carry out her/his research project under the supervision of dr Giovanni Pareschi and dr Daniele Spiga 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 INAF/OA-Brera 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 INAF/OA-Brera.

### **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.

### **Art. 12 – Applicable regulation**

INAF/OA-Brera 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, INAF/OA-Brera 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 INAF/OA Brera websites:

<http://www.inaf.it>

<http://www.brera.inaf.it>

Milano, 18 February 2014

The Director  
(Dr. Giovanni Pareschi)

**ANNEX 1: APPLICATION FORM**

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

INAF – Osservatorio Astronomico di Brera  
 Via Brera 28  
 20121 Milano -ITALY

[luca.ciarfaglia@brera.inaf.it](mailto:luca.ciarfaglia@brera.inaf.it)  
[rachele.millul@brera.inaf.it](mailto:rachele.millul@brera.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 Ricerca entitled **“Microtopography of reflecting surfaces”**

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 Master degree in  
 .....  
 awarded by..... on .....
- I am currently enrolled without financial support (or expect to be enrolled by .....) in a Graduate Course program (PhD) in Physics, Astronomy , **Optical Engineering** or equivalent at the University of .....
- 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 am aware that the PhD fellowship:
  - cannot be held contemporarily with other fellowships of whatever kind, except those awarded with the aim of integrating the training or research activity of the fellowship holder through a period spent abroad;
  - cannot permit aggregation of income from other working activities, also part-time, carried out continuously;

- 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 fulfill 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 [rachele.millul@brera.inaf.it](mailto:rachele.millul@brera.inaf.it) and [luca.ciarfaglia@brera.inaf.it](mailto:luca.ciarfaglia@brera.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

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