

**THIS ENGLISH TRANSLATION DOES NOT HAVE LEGAL VALUE IN ITSELF, AND  
THUS DOES NOT SUPERSEDE THE ITALIAN VERSION OF THE CALL  
ANNOUNCEMENT (BANDO).**

**ABSTRACT OF VACANCY CALL ISMAR.SP.AR.02/2019– for 1 (one) Fellowship (A  
“Assegni PROFESSIONALIZZANTI”)**

**Research area:** Earth Science

**Research theme:** “Study and definition of a computational methodology for the elaboration, recognition and classification of relevant subjects in underwater images based on evolutionary computing techniques”

**Scientific responsible:** Dr. Simone Marini

**Project:** ENDURUNS “Development and demonstration of a long-endurance sea surveying autonomous unmanned vehicle with gliding capability powered by hydrogen fuel cell”

**Qualifications and experience**

- a) **Degree (“Laurea”) in Compure Sciences, Mathematics, Physics, Engineering** obtained in accordance with the legislation in force before DM 509/99, **or the Degree / Master (DM May 5, 2004)**, both with professional curriculum suitable for carrying out research activities;
- b) **Doctorate Degree (PhD)** is not strictly required, but it will be considered title of preference if related to the theme of the announcement.

**All qualifications obtained abroad** (master degree, bachelor degree, doctorate, and any other qualification) shall be previously recognized in Italy in accordance with current legislation (information on the website of the Ministry of University and Scientific Research: [www.miur.it](http://www.miur.it)). The equivalence of those diplomas obtained abroad who have not already been recognized in Italy with the expected formal procedure above, will be evaluated, with the only purpose of the present selection, by the Examining Committee constituted according to art. 6, paragraph 1 of the Regulations;

- c) **Documented experience in the subjects of art. 1**, which need to be declared according to Art. 4; in particular the following constitutes titles of preference:
  - **experience and use of programming languages, including Python;**
  - **experience in image processing methodologies, including image enhancement, segmentation and feature extraction;**
  - **experience in image recognition and classification methodologies, including methodologies based on supervised Machine Learning and evolutionary computing;**
  - **good computer skills: LINUX and UNIX OS;**
- d) good knowledge of the ENGLISH language
- e) knowledge of the ITALIAN language (only for foreigner candidates)

**Duration and amount of the Research Grant**

**Duration:** 2 (one) years (renewable)

**Annual amount:** € 19.367,00 - paid in deferred monthly installments.

The amount is determined on the basis of the amount paid to the CNR employees at level III. On the basis of the current legislation, the salary is exempted from IRPEF taxes, since the provisions of Article 4 of Law 13 August 1984, number 476, and subsequent amendments thereto are applied; however, it is

subject to the INPS social security contribution as per Article 2, paragraph 26 and following ones, of Law 8 August 1995, number 335 and subsequent amendments thereto, to the extent of 1/3 of the INPS contribution.

**Deadline for applications: November 11, 2019**

## **HOW TO APPLY**

Applications and the requested declarations, exclusively written on the attached forms (Annex A, B and C) written in Italian or English, must be sent to the **Institute of Marine Science Unit of Lerici**, by the final deadline of **November 11, 2019**, via ordinary e-mail to the following address [info@sp.ismar.cnr.it](mailto:info@sp.ismar.cnr.it) with **ISMAR.SP.AR.02/2019** as object; in case the application cannot be digitally undersigned, the foreign applicant will validate the application by hand-signing it before the interview. To aforesaid applicants an e-mail acknowledging receipt of the application will be sent.

Applications submitted after the deadline and incomplete applications will not be considered.

Applicants must produce a pdf document of self-certification curriculum to be completed in accordance with Art. 46 and 47 of Presidential Decree 445/2000 and subsequent amendments, and to this end they must use the attached form (attachment B), which testifies the truthfulness of the contents of the Curriculum Vitae, and expressly declares, before the signature, that the applicant is aware that, according to art. 76 of the DPR 445/2000, false declarations are punished according to the Penal Code; the form must be accompanied by a photocopy of a valid identity document (art. 76 DPR445/2000). **Such document, legibly signed, must be presented for identification at the interview (see art. 7); no other documents will be accepted.**

In the curriculum the applicant will indicate personal facts and qualities, in particular she/he must analytically indicate studies, qualifications, publications in print and/or patents, services provided, functions performed, the positions held and any other scientific, professional and educational activity, bringing the exact references for each qualification indicated.

The above declaration must be drawn up in an analytical way, and contain all the elements that make it usable for the selection, so that the examining commission can usefully evaluate the qualifications to which it refers. All information provided in a manner that is not compliant with the above procedures cannot be evaluated.

The self-certifications provided for Italian citizens apply to citizens of the European Union. Non-EU citizens residing in Italy may use substitutive declarations only for cases in which it is necessary to prove the status, facts and personal qualities that can be certified or attested by Italian public or private subjects. The Administration carries out appropriate checks on the veracity of the contents of the substitutive declarations pursuant to art. 71 of Presidential Decree 445/2000

Applicants with disabilities, in relation to their disability, in the application to the selection must explicitly request the required support.

The applicant's products (e.g., technical reports, monographs, book chapters, and patents) that cannot be found on the internet or those that can be found on the internet but are not access free, should be sent by the applicant by e-mail.

**The applicant must not produce any further documentation in accordance with art. 15 L. 183/2011.**

The aforesaid declaration must be analytically drawn up and contain all useful elements that enable the Examining Committee to evaluate the related qualifications.

All information differing from above-mentioned standards will not be evaluated.

Auto-certification foreseen for Italian citizens apply to EU citizens (Article 3, paragraph 1 of Presidential Decree 28 December 2000, n. 445). Non-EU citizens resident in Italy can use the affidavits only in cases where facts and qualifications are certifiable or ascertainable by public or private Italian subjects.

The Administration reserves the right to check the truthfulness of the contents of the self-certifications in accordance with Art. 71 DPR 445/2000.

In accordance with Art. 15 Law 183/2011, it is forbidden to submit to public administrations and to private managers of public services certifications regarding personal states, qualities and facts that are always substituted by self-certifications and by affidavit (art. 46 and 47 DPR 445/2000).

The form (Annex C), concerning the information on personal data processing pursuant to Regulation EU no. 2016/679, must be attached to the application; the aforementioned form must be completed, dated and signed by the candidate with a legible handwritten signature.

### **Selection procedure and Ranking**

The submitted applications will be evaluated by an Examining Committee composed of three components with profiles of researcher and expert in the field.

The Committee has a total of 100 points, composed by 70 points for the assessment of qualifications and 30 points for the interview.

**Only applicants achieving a grade of 30/70 for the assessment of the qualifications are admitted to the interview.** Applicants are conditionally admitted to the selection.

Those who have applied for the selection, within the terms and conditions referred in the Article 4, will receive notice via PEC or ordinary email, at least five days before the date set for the interview\*. The notice will contain the score obtained after the evaluation of the titles and the possible invitation to the interview at the Institute of Marine Sciences of the National Research Council - Unit of Lerici, Forte Santa Teresa snc - Località Pozzuolo di Lerici - 19032, Lerici (SP):

**\*December 02 2019 at 10:30**

For justified reasons the interview can be conducted in a remote manner using computer media audio/video up-on candidate request in written form sent with the application form (Annex A). The candidate must provide with all the necessary information to make the connection. During the interview, the candidate will have to show same identity document presented along with the application.

The committee forms the merit ranking in descending order with respect to the final score, according to the sum of the scores achieved in the evaluation of qualifications and the interview and indicates the winner. In case of equal ratings, the younger candidate is preferred.

The merit ranking will be published immediately to the notice board of the examination site, and subsequently the ranking of the selection will be approved by the Director of the Institute and published on the CNR website - [www.urp.cnr.it](http://www.urp.cnr.it) -.

All participants will be informed on the result of the selection through a communication sent via ordinary e-mail.

## **Formalization of the relationship and termination of the contract**

Within 15 days after publication of the ranking on the CNR site, the Director of the Institute should submit to the winner of the selection, the order of assignment of the research grant. By the deadline of 15 days from the date of receipt of said notice, the winner of the selection must mandatorily return a copy of the said notice, countersigned for acceptance and a declaration that she/he is not under any of the impediments of Art. 3, paragraphs 3,4,5 and art. 4 c. 2.3 of the Specifications. Any delay in the beginning of the research can be justified only in cases provided for by art. 2 of this notice of selection or for reasons of force majeure duly substantiated.

The contractor shall submit to the Director, via ordinary e-mail, within thirty days from the date of acceptance of the grant, the following documents prepared in accordance with the provisions of Presidential Decree 445/2000:

- a) self-certification, indicating date and place of birth, citizenship, political rights, education;
- b) a declaration in lieu of affidavit, on ordinary paper, that she/he is not enrolled in any public and private employment and has not been dismissed or retired from the Public Administration for persistent poor performance, and not having been revoked by another state employment for having achieved it through the production of false or invalid documents and that she/he was not disqualified from holding public office on the basis of res judicata;
- c) Photocopy of fiscal code card (codice fiscale);
- d) In case the winner is an employee of Public Administration, before beginning the research activity she/he must submit a copy of the order of placement on leave without pay.

**For any other info please contact: [simone.marini@sp.ismar.cnr.it](mailto:simone.marini@sp.ismar.cnr.it)**

**Institute of Marine - Unit of Lerici**

Forte Santa Teresa snc  
I-19032 Lerici (SP), Italy

Subject: Selection Call n°

The undersigned \_\_\_\_\_ born in \_\_\_\_\_ (province \_\_\_\_\_)

date \_\_\_\_\_ and resident in \_\_\_\_\_ (province \_\_\_\_\_)

Street \_\_\_\_\_

n. \_\_\_\_\_ z.i.p. \_\_\_\_\_ Telephone \_\_\_\_\_

**e-mail** \_\_\_\_\_

asks, according to art. 22 of L. 240, 30/12/2010 to be admitted to the public selection, with evaluation of qualifications and interviews, for the assignment of **n. 1 (one) Fellowship (A “Assegni PROFESSIONALIZZANTI”)** for conducting research activities under the Scientific Area **Earth Science** at the **CNR Institute of Marine Sciences, Unit of Lerici**, performing research activities related to the Project **ENDURUNS** “Development and demonstration of a long-endurance sea surveying autonomous unmanned vehicle with gliding capability powered by hydrogen fuel cell” carried out by the Unit, for the following topic: “Study and definition of a computational methodology for the elaboration, recognition and classification of relevant subjects in underwater images based on evolutionary computing techniques” under the scientific responsibility of **Dr. Simone Marini**.

To this aim, the undersigned declares under her/his responsibility:

1. to be ..... citizen
2. to have obtained the laurea degree (or equivalent qualification\*) in \_\_\_\_\_ the \_\_\_\_/\_\_\_\_/\_\_\_\_ at the University \_\_\_\_\_ with mark \_\_\_\_\_ ;
3. to have obtained the PhD (or equivalent foreign qualification) in \_\_\_\_\_ the \_\_\_\_/\_\_\_\_/\_\_\_\_ at the University \_\_\_\_\_
4. to have no prior criminal convictions and have no criminal proceedings pending at her/his own expense (otherwise, please specify).
5. to have/have not benefited from other research grants from May 01, 2011 to ..... and to have/not have had types of work contracts as indicated in art. 2 of the selection, with .....

The undersigned attaches to the present application:

- 1) self-certification compliant to art. 46 and 47 of the DPR 445/2000 to be filled in by using the form included here as Annex B stating the truth of any part of the included curriculum vitae (please include 3 copies);
- 2) paper copies of the any work that is not directly available on the web (e.g., technical reports, monographs, book chapters and patents presented in photocopy according to art. 47 del DPR 445/2000 (Annex C);

The undersigned asks that communications relative to the present selection will be sent to:

address: \_\_\_\_\_

e-mail: \_\_\_\_\_

phone: \_\_\_\_\_ fax: \_\_\_\_\_

Place and date \_\_\_\_\_

SIGNATURE

**\* If the qualification has been obtained abroad, documentation showing the equivalence with a qualification obtained in Italy must be presented, according to what established by art. 3, point d) of the present notice.**



**DICHIARAZIONE SOSTITUTIVA DELL'ATTO DI NOTORIETÀ (SELF-CERTIFICATION)**

(art. 46 e 47 del DPR 445/2000 s.m.i.)

**The undersigned** .....  
 (name) (surname)

**born in** ..... **the** .....  
 (Place) (prov.) (date)

**resident in** .....  
 (Place) (prov.)

**in Street** ..... **n°** .....  
 (address)

**CONSIDERING** the DPR December 28, 2000, n. 445 on "Consolidated laws and regulations on administrative documentation" and successive amendments;

**CONSIDERING** the Law 12 November 2011, n. 183, and in particular art. 15 (Stability Act 2012) (\*);

**Aware that, according to art. 76 of the DPR 445/2000, false declarations, falsity in public acts and use of false acts are punished according to the Penal Code and to special laws on the subject, declares under his/her own responsibility:**

**That what declared in the following curriculum vitae et studiorum including information on the scientific production corresponds to the truth**  
**Curriculum vitae et studiorum**

Studies, qualifications, publications and/or technical reports and/or patents, services executed, functions accomplished, tasks and every scientific, professional and teaching activity (**chronologically ordered starting from the most recent qualification**)

*Ex: description of the qualification* .....  
*date* ..... *protocol* .....  
*delivered by* .....  
*period of activity from* ..... *to* .....

SIGNATURE

.....

(\*) According to art. 15, paragraph 1 of the Law 12 November 2011, n. 183, selfcertifications released from the Public Administration relative to states, personal qualities and facts are valid and usable only in the private sector; in relations with the Public Administration and providers of public services, certificates are always substituted by self-certifications as in art. 46 and 47 of the DPR 445/2000.

N.B.

1. Date and sign all the pages that make up the statement.
2. Under Article 38 of Presidential Decree 445/2000 to the declaration the subscriber must attach a photocopy of a valid identification document.
3. All provided information with self-certification must be correctly identified with single reference elements (example: date, protocol, title of the publication, etc.).
4. The CNR has the right to control pursuant to art. 71 and for the purposes of articles. 75 and 76 of Presidential Decree 445 of 28/12/2000, the veracity of the affidavits produced and signed by the parties concerned.

5. The rules on affidavits applies to Italian nationals and European Union.
6. Citizens of countries outside the EU, legally residing in Italy, can use the affidavits of Articles. 46 and 47 of Presidential Decree 445 of 28.12.2000 limited to, the personal qualities and facts certifiable or ascertainable by Italian public entities, subject to any special provisions contained in laws and regulations governing immigration and the condition of stranger.



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INFORMATION ON THE PROCESSING OF PERSONAL DATA,  
ACCORDING TO ARTICLE 13 OF EU REGULATION 2016/679

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According to the article 13 of the aforementioned Regulation, we inform you that:

- 1) Your personal data will be processed for the following purposes: the performance of the selection procedure, including the possible use of rankings and for the subsequent eventual awarding of the grant, for the execution of tasks of public interest or in any case related to the exercise of the public powers entrusted to the National Research Council of Italy. The data will be processed for the time necessary for the selection and, in case of grant, for the entire period in which the relationship established with the holder of the research grant and, after the termination, for the eventual fulfillment of obligations law in compliance with current regulations on the conservation of administrative acts.
- 2) The data will be processed in digital and analogical form, with methods of organization and processing related to the purposes indicated above and, in any case, in order to guarantee its security and confidentiality.
- 3) The provision of data is mandatory for the completion of the selection procedure; any refusal to provide such data do not allow the possibility of participation in the procedure itself.
- 4) In order to achieve the aforementioned purposes, the Director of the ISMAR-CNR, the person in charge of the procedure, the personnel in charge of managing the various stages of the procedure, may become aware of the data in question, the members of the examining commission and the secretary.
- 5) The Data Controller is: National Research Council of Italy - Piazzale Aldo Moro n. 7 - 00185 Roma PEC: protocollo-ammcen@pec.cnr.it, whose contact point is indicated in Article 10 of the selection notice, entitled "Processing of personal data".
- 6) The contact details of the Data Protection Officer are: E-mail: rpd@cnr.it; PEC: protocollo-ammcen@pec.cnr.it at the National Research Council - Piazzale Aldo Moro n. 7 - 00185 Rome.
- 7) The final ranking of merit will be published as indicated in art. 7 of the selection announcement, entitled "Selection and ranking procedures".
- 8) The following information of the winning candidate will also be published on the CNR website in the "Transparent Administration" section pursuant to and for the purposes of Article 15, paragraph 1, of Legislative Decree No. 33/2013: a) the details of the assignment document, b) the curriculum vitae presented by the candidate, c) the fees, however named, relative to the research grant.
- 9) At the end of the selection procedure, within the limits relevant to the purposes indicated above, the candidate's data may be disclosed to third parties, in compliance with the obligations established by laws, regulations, national and Community legislation, as well as provisions issued by authorities legitimized by supervisory and control bodies, pursuant to art. 6 of the EU Reg. 2016/679.
- 10) As an interested party, the candidate has the right to ask the Data Controller to access personal data concerning him / her and to exercise the rights referred to in articles 15 and following of Regulation (EU) 2016/679, including requesting the correction or cancellation of the same or the limitation of the treatment or to oppose the treatment by submitting a specific request to the contact referred to in point 5 above.
- 11) As an interested party, if the conditions are met, the candidate can present a complaint with the Guarantor for the protection of personal data as a supervisory authority according to the established procedures.

The / The undersigned \_\_\_\_\_  
born in \_\_\_\_\_ on \_\_\_\_\_,  
resident in \_\_\_\_\_ in \_\_\_\_\_

For acknowledgment

Date

Signature