

**CONSIGLIO NAZIONALE DELLE RICERCHE**  
**Institute for Applied Mathematics and Information Technology “Enrico Magenes”**  
**Branch of Genova**

Notice of selection No. IMATI-003-2018-GE

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

**SELECTION PROCEDURE FOR N° 1 (ONE) FELLOWSHIP (ASSEGNO PROFESSIONALIZZANTE) – DURATION: ONE YEAR - FOR CONDUCTING RESEARCH ACTIVITIES IN THE FRAME OF RESEARCH PROGRAMME “REPRESENTATION, EXTRACTION AND MANAGEMENT OF KNOWLEDGE RELATED TO INFORMATION RESOURCES AND MULTIDIMENSIONAL AND MULTIMEDIA CONTENTS”**

**THE DIRECTOR**

**CONSIDERING** Legislative Decree 4 June 2003, n. 127 on "Reorganization of the National Research Council (CNR)";

**CONSIDERING** Legislative Decree 31 December 2009, n. 213 on "Reorganization of the research institutions to implement art. 1 of Law 27 September 2007, n.165";

**CONSIDERING** the Statute of the National Research Council, issued by order of President n.24 PROT. 0023646 on April 7, 2015, entered into force on May 1, 2015;

**CONSIDERING** the Rules of Organization and Functioning of the CNR, issued by Decree of the President of CNR n. 43, prot. n. 36411 of May 26, 2015 published in the Gazette - General Series - n. 123 of 29 May 2015, entered into force on June 1, 2015;

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

**CONSIDERING** the Legislative Decree 30 June 2003, n. 196, concerning "Code regarding the protection of personal data";

**CONSIDERING** art. 22 of Law 30 December 2010, n. 240 entered into force January 29, 2011;

**CONSIDERING** the Guidelines for the assignment of grants for conducting research activities at CNR, approved by the Board of Directors with order n. 28 on February 9, 2011, subsequently amended by resolutions n. 62, March 23, 2011 and n. 186, September 22, 2011 and n. 189, November 27, 2013;

**CONSIDERING** the Ministerial Decree n. 102 of March 9, 2011, concerning the definition of the minimum amount of research grants;

**CONSIDERING** the Law 11 November 2011, n. 183, and in particular art. 15 (Stability Act 2012);

**CONSIDERING** the directive of the Ministry of Public Administration and Simplification n. 14/2011 to implement the new provisions relating to certificates and affidavits of Article. 15 of Law November 12, 2011, n. 183;

**CONSIDERING** the Law 4 April 2012, n. 35 and in particular art. 8 (par. 1);

**CONSIDERING** the Legislative Decree 14 March 2013 n. 33 on “Reorganization of the regulation on information openness, transparency and dissemination of public administrations”

**VERIFIED** that costs arising from the assignment of research grants are covered by financial resources from research programme DIT.AD004.066;

**ANNOUNCES**

## **Art. 1 Research Project**

There is a public selection procedure, based on qualifications and an interview, for the assignment of n. 1 (one) "Graduate Fellowship (Assegno professionalizzante)" for conducting research related to the Scientific Area "Scienze Informatiche e Ingegneria dell'Informazione" at the Institute for Applied Mathematics and Information Technologies of the CNR "Enrico Magenes", branch of Genova, conducting research activities in the frame of the Research Programme: "Representation, Extraction And Management Of Knowledge Related To Information Resources And Multidimensional And Multimedia Contents", on the following topic "***Study and development of methods for visual analysis and manipulation of 3D parts and assemblies in augmented and virtual reality environments***" under the scientific responsibility of Dr. **Marina Monti**.

## **Art. 2 Duration and amount of the Research Grant**

The research grant will run for **one year** and, as a result of any renewals, will still have an overall duration of no more than six years, pursuant to the combined provisions of art. 22 paragraph 3 of Law 240/2010 and art. 6, paragraph 2 bis, of Law 27 February 2015 n. 11, converting Legislative Decree December 31, 2014 n. 192, excluding the period in which the grant was received in connection with a PhD, within the maximum limit of the course duration.

The total duration of relationships with the grant recipient and of the fixed-term relationships according to Law 240/2010, art. 24, also with different Universities, public, private or online, as well as with organizations referred to in Art. 22, par. 1 of Law 240/2010, must not be above 12 years, even if not continuous, except for the time spent on maternity leave or for reasons of health according to current legislation, and for the periods prior to the entry into force of Law 240/2010.

Any postponement of the start date of the research activity of the grant for research activities, or any disruption thereof, will be allowed in case of maternity or illness exceeding thirty days. The interruption of the activity of the grant under the abovementioned provisions shall entail the suspension of the payment of the amount of the grant for the period in which the interruption itself occurs, except for what is ruled by Art. 13 of the Guidelines for the assignment of grants for conducting research activities at CNR, or other specific regulations. The end date of the grant for the research activities will be extended by a period equal to the duration of the interruption.

The amount of the research grant, paid in deferred monthly installments, is set at **EUR 19.367,00 (nineteen-thousands-three-hundreds-sixty-seven,00)**, net of expenses in charge of CNR.

This does not include any remuneration for travels in Italy or abroad which may be necessary to carry out the research activities related to the grant. The emoluments of the travels are determined in proportion to those of employees engaged at the CNR at III professional level.

The grant recipient is covered by an insurance for accidents cumulative policy underwritten by the CNR.

The selected candidate will carry out her/his research activities in an autonomous manner, within the limits of the program prepared by the research supervisor, without predetermined working hours.

## **Art. 3 Requirements for admission to the selection**

To the selection may apply individuals who, whatever their nationality or age, are in possession of the following requirements at the date of expiry of the deadline for submission of applications:

- a) **Master Degree in Computer Science, Information Science, Information Technologies, Computer Engineering, Engineering Management, Bioengineering, Mechanical Engineering, Mathematics, Physics**, or equivalent, obtained in accordance with the legislation in force before DM 509/99, or the Master's Degree (DM May 5, 2004), with professional resume suitable for the conduct of research;
- b) All qualifications obtained abroad (Master's 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 which 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 Guidelines;
- c) Previous experience on the topic of Art. 1, declared according to procedures of Art. 4, is a preferential title. In particular:
  - 1. **Knowledge of technologies for virtual and augmented reality**
  - 2. **Knowledge of programming languages (e.g. C, C++,Java, Matlab or equivalent)**
  - 3. **Knowledge of methods and models for the representation of 3D shape**
- d) Good command of English;
- e) Good command of Italian (only for foreign applicants).

The research grant can not cumulate with scholarships provided by the CNR or other organizations and research institutions, except those granted by the CNR or national or foreign institutions which serve to supplement the research activities of grant holders with visiting periods abroad. The holders of research grants may attend PhD courses that do not result in payment of scholarships.

Employees of the CNR with permanent or fixed term contract and permanent staff employed by other parties as indicated in art. 22, paragraph 1, of Law n. 240/2010 cannot apply, and application involves the placement on leave without pay to the contractor/employee employed by government.

According to Art. 22, paragraph 3, of the aforementioned law, the ownership of this grant is not compatible with participation in the undergraduate or master degree, PhD with scholarship or medical specialization schools, in Italy or abroad.

#### **Art. 4**

#### **Applications and details for submission**

##### **APPLICATIONS**

Applications, exclusively written on the attached form (Annex 1), must be sent to Istituto di Matematica Applicata e Tecnologie Informatiche "Enrico Magenes", only via Certified Electronic Mail (Posta Elettronica Certificata – PEC) to the address: [protocollo.imati@pec.cnr.it](mailto:protocollo.imati@pec.cnr.it) by the final deadline of **15 May 2018**. Applications submitted after the deadline and incomplete applications will not be taken into account.

**Enter the following in the e-mail subject field: Notice of Selection NO. IMATI-003-2018 GE (please do not use special characters)**

The applications sent via PEC and the certifications in accordance with the provisions of DPR 445/2000 will be considered valid only if the author is identified by the system through his own access credentials to the PEC.

**Only foreign applicants** may send the application and the requested declarations (see comma 5) via ordinary electronic mail to following address [concorsi.imati@ge.imati.cnr.it](mailto:concorsi.imati@ge.imati.cnr.it); 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.

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 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. Self-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.

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

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 open access, 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.**

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 445/200).

All communications related to present selection will be sent to PEC-address of the applicants; the CNR does not assume any liability for any possible network connection malfunction.

#### **Art. 5**

##### **Exclusion from the Selection**

Applicants are conditionally admitted to the selection.

The exclusion from the selection process for lack of requirements can be arranged at any time with a motivated order by the Director of the Institute. The exclusion will be communicated to the applicant.

#### **Art. 6**

##### **Examining Committee**

The Examining Committee shall be appointed by order of the Director of the Institute and is composed of three components, one of which will be the project manager, who may be internal or external to CNR, with profiles of researcher and expert in the field and two alternate members, internal or external to the Institute; the Director, if deemed necessary to activate the procedure of equivalence of qualifications obtained abroad, as in the last sentence of paragraph 1 art. 3 of the Guidelines, may appoint, among the components of the Committee, a University professor. The functions of secretary may also be provided by a member of the Committee.

In the first meeting, the Committee will appoint its own President, and, if necessary, the component who will perform the functions of secretary.

The Committee may also carry out the procedure by electronic means.

The Committee shall conclude its work within sixty days after the deadline for submitting applications, except cases of motivated impossibility.

## **Art. 7**

### **Selection procedure and Ranking**

The Committee will make its selection by evaluating the qualifications and an interview. 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 35/70 for the assessment of the qualifications are admitted to the interview. Only applicants achieving a grade of 21/30 pass the interview.

The Commission will declare the preliminary criteria and parameters which it will adopt, with specific reference to the characteristics of the research project. These criteria and parameters include the requirements for the type of grant of the selection such as assessment of the degree, of Ph.D., of the diplomas and certificates of attendance of post-graduate qualifications, obtained in Italy and abroad, the participation in national/European projects and of the research activities in public or private institutions, under contracts, grants or assignments of collaboration, both in Italy and abroad, in the manner stated in Article. 4.

Those who have applied to the selection according to the terms and conditions set out in Art. 3 and 4 and who have not received notice by Certified Electronic Mail of exclusion from the selection, must be present at the Istituto di Matematica Applicata e Tecnologie Informatiche “Enrico Magenes” CNR, Via De Marini 6. 16149 Genova, 14<sup>th</sup> Floor, **on 30 May 2018 at 14.30** to attend an **interview**, unless otherwise noted or communicated by Certified Electronic Mail in advance. The publication of this Notice must be considered as a call; **it is deemed definitive and no further communication will be sent to applicants**. Before the interview, the grade obtained for the assessment of the qualifications will be communicated to each applicant.

The Committee, at the applicant’s request, may also conduct a remote interview using audio/video computer media according to procedures to be agreed with the Institute/Structure of CNR, aimed in any case to ensure its openness.

After the interview, the Committee will compile a list of the examined applicants, giving the score each candidate obtained in the interview; the list, signed by the President and the Secretary of the Committee, is posted on the site of the examination the same day of the interview.

To be eligible to interview applicants must present a valid identity document. Applicants who are not present at the interview will be declared non-eligible.

At the end of its work, the Committee shall prepare a report in which motivated judgments on each applicant are expressed, even in a synthetic form.

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/s. In case of equal ratings, the younger candidate is preferred.

The merit ranking will be approved by the Director of the Institute, and will be published by the same Director, to the notice board of the examination site, and on the CNR website: [www.urp.cnr.it](http://www.urp.cnr.it) and with all other forms of dissemination provided for this notice of selection.

All participants will be informed on the result of the selection through a communication sent via PEC.

The inclusion of eligible and suitable candidates in the ranking is not permitted. However, the Director of the Institute, after consulting the research project manager, can replace one or more winners, who renounce the grant before using it, following the order of the merit ranking.

The National Research Council will not reimburse any expenses incurred by candidates for participation in the interview.

## **Art. 8**

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

Within 15 days after publication of the list, the Director of the Institute should submit to the winner/s of the selection, in two copies, the order of conferment of the research grant, in which also the starting date of the research will be mentioned. By the deadline of 15 days from the date of receipt of said notice, the winner/s of the selection must mandatorily, on pain of forfeiture, return a copy of the said notice, countersigned for acceptance and a declaration that she/he/they is/are not under any of the impediments of Art. 3, paragraphs 3,4,5 and art. 4 par. 2, 3 of the Guidelines. 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 PEC (applies to Italian citizen), or via ordinary electronic mail (applies to foreign citizen), 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 unstamped 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 has not 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 substitute statement in self-certification of the placement on unpaid leave

Documents issued by the competent authorities of the State of which the foreign candidate is a citizen must comply with the provisions in force in that State.

The fellow who, after starting the planned activity, will interrupt it without justification, or will not carry it on regularly and continuously for the entire term, or is responsible for serious or repeated misconduct or, finally, proves not to have sufficient attitude, may be revoked, with motivated decision of the Director of the Institute, from the further reception of the payment of the grant.

The measure referred to in the preceding paragraph will be taken on the proposal of the Research Project Manager. If the grant recipient, on the grounds of personal reasons, can not carry through the planned activities and decides to give up the grant in advance, she/he shall promptly inform the Director of the Institute and the Research Project Manager. It is understood, in this case, that the grant holder must return any amounts received and not due.

## **Art. 9**

### **Evaluation of the research activity**

The research project manager and the grant recipient shall forward to the Director of the Institute before the expiry of the contract, a complete report showing the progress of research.

The Director will evaluate the report with reasoned judgment and at his own discretion. In case of positive evaluation, and at the request of Research Project Manager, the Director will decide on the renewal of the grant and on its possible allocation to the next higher amount of the grant typology referred to in this notice of selection. (Art. 9 par. 5 of the Guidelines).

**Art. 10**  
**Privacy policy**

Under Article. 13 of Legislative Decree 30 June 2003, n. 196, the personal information provided by applicants will be collected at the Institute for the purposes of organizing the selection and will be processed in an automated database for the management of the relation consequent to such selection.

The acts must be retained for a period of at least five years. Providing such data to CNR is compulsory for the evaluation of the participation requirements and those who will not provide such data will be excluded from selection.

The same data may be disclosed only to Public Administrations directly involved in the selection process or the legal position of the candidate.

The applicant enjoys the rights under Art. 7 of the said decree, which include the right of access to data concerning her/him and some additional rights including the right to correct, update or delete data that are incorrect, incomplete or not collected in accordance with law, and the right to oppose their processing for legitimate reasons. These rights may be asserted against the Director of the Institute who is also Data handler and controller.

The right of access to the records of the competition, under the Law of 7 August 1990 n.241 and subsequent additions and modifications, shall be exercised in the manner provided for in art. 10 of the measure n. 22 of 18 May 2007, as supplemented and amended by order n. 62, 8 November 2007 (available on the web page of the CNR [www.cnr.it](http://www.cnr.it) under "utilities") and with the limitations of Art. 12 of the same order.

**Article 11**  
**Advertising**

The notice of selection shall be made public by the Director of the Institute, by posting it at the website of the Institute and by publication on the website of the CNR [www.urp.cnr.it](http://www.urp.cnr.it), and of MIUR, that will later publish it on the website of the European Union, in addition to particular forms of advertising specifically required by the programs funders.

**Article 12**  
**Final Provisions**

Where not explicitly indicated in this notice, for the compatible parts, the provisions of Guidelines currently in force, relative to research grants, and, mutatis mutandis, to public competitions, apply.

All' Istituto di Matematica Applicata e Tecnologie Informatiche  
Via De Marini 6  
16149 Genova

Subject: Selection Call n°

The undersigned \_\_\_\_\_

Fiscal code \_\_\_\_\_

born in \_\_\_\_\_ (province \_\_\_\_\_)

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

Street \_\_\_\_\_

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

**PEC Address** \_\_\_\_\_

asks, according to art. 22 of L. 240, 30/12/2010 to be admitted to the public selection, with evaluation of qualifications and interview, for the assignment of 1 **Fellowship (Assegno professionalizzante)** for conducting research in the following topic: "*Study and development of methods for visual analysis and manipulation of 3D models and assemblies in augmented and virtual reality environments*"; a fellowship under the scientific responsibility of Dott. Marina Monti. (Notice of selection IMATI-003-2018-GE), to be conducted at the Istituto di Matematica Applicata e Tecnologie Informatiche in Genova, Via de Marini 6

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) list of the works submitted by the applicant by electronic means (see art. 4 of the present notice).

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

SIGNATURE



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**\* 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 DI CERTIFICAZIONE**

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

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

(art. 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°** ..... **ZIP** .....  
(address)

**Phone number:**.....

**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 concerning the new provisions on certificates and affidavits (\*) ;**

**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. 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 and subsequent amendments, the truthfulness of the affidavits produced and signed by the parties concerned.
5. The rules on affidavits applies to Italian and European Union citizens
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.  
Apart from the aforesaid cases, citizens of countries outside the Union allowed to reside in the State may use affidavits in cases where the production of the same stems from the application of international conventions between Italy and the country of origin of the registrant .