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Università degli Studi di Messina

SELECTIVE COMPARATIVE ASSESSMENT PROCEDURE FOR TITLES AND EXAMINATIONS FOR THE AWARDING OF No. 1 RESEARCH GRANT TYPE B FOR CARRYING OUT RESEARCH ACTIVITIES

THE RECTOR

- IN VIEW OF** The Statute of the University of Messina, issued with the Rector's Decree (D.R.) No. 1244 of May 14th, 2012 (published on G.U. – Serie Generale No. 11 6 of May 5th, 2012) and modified with D.R. No. 3429 of December 30th, 2014 (published on G.U. – Serie Generale No. 8 of January 12th, 2015);
- IN VIEW OF** the Decree of the President of the Republic (D.P.R.) No. 445 of December 28th, 2000 and subsequent amendments and integrations;
- IN VIEW OF** the law No. 240 of December 30th, 2010 and particularly article 22 which deals with the modalities for the assignment of research grants for carrying out research activities by University of Messina;
- IN VIEW OF** the Ministerial Decree (D.M.) No. 102 of March 9th, 2011 which determined the *gross minimum* annual amount of the research grants in accordance with the above-mentioned law,
- IN VIEW OF** the Regulations for the awarding of research grants for carrying out research activities, as modified by D.R. No. 1394 of June 28th, 2019;
- IN VIEW OF** the extracts of the report of Engineering Department Council prot. No. 103434 of October 28th 2019, regarding the approval of the request for the activation of No. 1 research grant type B, forwarded by Professor Edoardo Proverbio for carrying out research activities titled “Corrosion assessment of naval structures: development of innovative integrated non-destructive corrosion sensors for in situ monitoring systems” (CUN Area 09 ACADEMIC DISCIPLINE ING-IND/22) on project funds PON ARS01_00293 THALASSA, CUP B46C18000720005;
- GIVEN THAT** the C.A. 04.43.08 of “*Bilancio Unico d'Ateneo di previsione 2019*” provides the necessary coverage concerning the project ARS01_00293 THALASSA, right certificated by the administrative secretary of the Engineering Department Council prot. No. 103434 of October 28th 2019;

DECREES

Art. 1

Announcement

1. A comparative assessment procedure is launched, based on titles and examinations, aimed at the awarding of No. 1 type B research grant, pursuant to article 22 c. 4 lett. b) of the law No.



Università degli Studi di Messina

240 of December 30th, 210 and *the University Regulations for the awarding of research grants for research activities*.

2. The research topic and the structure, in which the research activity will be carried out, are indicated in Attachment A which is an integral part of this announcement.
3. The research grant has a duration of one years and can be renewed.

Art. 2

General admission requirements and incompatibilities

1. Those who meet the following requirements can participate in the selection, without age or citizenship limits:
 - a. PhD degree title in the relevant scientific disciplinary area, obtained in Italy or equivalent qualification obtained abroad;
The suitability of the foreign qualification will be ascertained by the Committee, for the sole purpose of this selection, in compliance with the legislation in force, in Italy and in the country where the title was issued and in compliance with the international treaties or agreements concerning the recognition of qualifications for the continuation of the studies.
 - b. knowledge of foreign language indicated in the Attachment A.
2. The admission requirements and any qualifications **must be held** at the deadline for submitting the application form.
3. **Those** who have a degree of kinship or affinity, up to and including the fourth degree, with a professor belonging to the Department or the structure making the call or with the Rector, the General Manager or a member of the Board of University Administration, **cannot participate in the procedure**, pursuant to article 18 paragraph 1, point c) of law No. 240 of December 30th, 2010.
4. The research grants **cannot be awarded**:
 - a. to the permanent staff of Universities, Institutions and public research and experimentation bodies, of *Agenzia Nazionale per le nuove tecnologie, l'energia e lo sviluppo economico sostenibile* (ENEA) and of *Agenzia Spaziale Italiana* (ASI), as well as of institutions whose scientific specialization the diploma was recognized as equivalent to the title of research doctor, pursuant to article 74 paragraph 4 of the D.P.R. No. 382 of July 11th, 1980.
The entitlement of the research grant entails, for employees in service with public administrations, different from indicated above, the unpaid placement for the period of duration of the research grant.
 - b. to those who were recipients of research grants pursuant to Law 240/2010 for a period which, added to the duration envisaged by the public announcement, exceeds a total of 6 years. In the aforementioned period, all the renewals are counted except for the period in which the scholarship was received at the same time as the research doctorate, up to the legal duration of the relative course;



Università degli Studi di Messina

to those who were recipients of research grants and fixed-term research contracts, respectively pursuant to articles 22 and 24 of law 240/2010 at the University of Messina or in other Italian, state, non-state or computerized universities, as well as at the bodies referred to in paragraph 1 of art. 22 of the law 240/2010 for a period that, added to the duration foreseen by the announced contract, exceeds a total of 12 years, even if it does not continue.

- c. to those who were recipients of research grants and fixed-term research contracts, respectively pursuant to articles 22 and 24 of law 240/2010 at the University of Messina or in other Italian, state, non-state or computerized universities, as well as at the bodies referred to in paragraph 1 of art. 22 of the law 240/2010 for a period that, added to the duration foreseen by the announced contract, exceeds a total of 12 years, even if it does not continue.

For the purpose of the duration of the aforementioned relationships, the periods spent on maternity leave or for other reasons, pursuant to current legislation, are not recorded.

5. The entitlement of the research grant **is not compatible** with the enrollment in degree courses, specialist degrees or master's degree courses, research doctorates with scholarships or specialization schools in the medical area, in Italy or abroad, as well as with enrollment to another school/course which, by requiring compulsory attendance, prevents the performance of the activities set forth in the contract.
6. The grant **cannot be combined** with scholarships awarded for any reason whatsoever except for those awarded by national or foreign institutions useful for integrating the research activity of the owners with stays abroad. The grant **is also not combined** with the employment and with other grants or collaboration contracts for the research activity.
7. The holder of the research grant can carry out a limited self-employed activity, upon written communication and agreement with the responsible professor, provided that such activity is declared compatible by the Structure in which he/she carries out the research activity and does not involve a conflict of interests with the research activity carried out for the University. The researcher can also carry out guidance and mentoring activities and attend exams as a subject expert.
8. The University may at any time order **the exclusion** from the procedure due to the lack of the prescribed requirements or the forfeiture of admission and/or any benefits obtained.

Art. 3

Application for the admission

1. The application for the admission to the assessment procedure must be completed **exclusively** by electronic means, using the IT application accessible by connecting to the institutional website, at <https://istanze.unime.it>.
The application must be completed and validated, **within the peremptory period of 20 (twenty) days** from the one following the date of publication of this announcement on the institutional website. To facilitate the compilation and sending of the application for participation in the procedure, the aforementioned web address provides instructions for the operating on "**user manual**", the link of which is available at the top right of the page



Università degli Studi di Messina

containing the "*List of published Competitions/Mobility* " (Lista Concorsi/Mobilità pubblicati).

Other forms of filling in and sending the application are not allowed and applications received after the deadline indicated above will be excluded. Once completed the online application compilation activities, the application will automatically generate a summary document of the data entered, **in pdf format**, which the candidate, after a careful verification of the correctness of the same, will have to print, subscribe, scan and then load in the procedure with loading in the appropriate section.

Within the deadline for submitting applications, the IT application allows to **change**, even several times, the data already entered, until the final confirmation of the application. In any case, the application will **only** keep the most recent question for each individual candidate.

After the deadline for submitting applications, the IT application will no longer allow access to the electronic form to fill in/send questions.

Failure to sign the application form is grounds for exclusion from the assessment procedure.

Once the electronic sending operations have been completed, the candidate will receive an e-mail message generated automatically by the application confirming the acquisition of the application, which will be marked with an identification number.

2. In the application the candidate must declare, according to the D.P.R. No. 445 of December 28th, 2000 and subsequent amendments and integrations:
 - a. name and surname;
 - b. date and place of birth;
 - c. citizenship;
 - d. residence and domicile elected for the purposes of participating in the procedure;
 - e. not having reported criminal convictions and/or having ongoing criminal proceedings (if not, indicate which);
 - f. the qualifications in possession: PhD degree in the relevant scientific subject area, or the possession of an equivalent qualification obtained abroad. **The suitability of the foreign qualification** can be ascertained by the Committee, only for the purposes of this selection, in compliance with the regulations in force;
 - g. to have knowledge of the foreign language in accordance with what is indicated in Attachment A;
 - h. do not have a degree of kinship or affinity, up to and including the fourth degree, with a professor belonging to the Department or the Structure making call or with the Rector, the General Director or a member of University Board of Directors
 - i. do not belong to the permanent staff of Universities, Institutions and public research and experimentation bodies, of *Agenzia Nazionale per le nuove tecnologie, l'energia e lo sviluppo economico sostenibile* (ENEA) and of *Agenzia Spaziale Italiana* (ASI), as well as of institutions whose scientific specialization diploma was recognized as equivalent to the title of research doctor, pursuant to article 74 paragraph 4 of the D.P.R. No. 382 of July 11th, 1980;
 - j. do not to work as an employee or to be aware that the entitlement of the research grant, for employees in service at public administrations other than those referred to



Università degli Studi di Messina

- in point h, the unpaid placement without grants for the entire duration of the research grant do not to be the beneficiary of other research grants or collaborations;
- k. not having been a recipient of research grants pursuant to Law 240/2010 for a period which, added to the duration envisaged by the contract announced, exceeds a total of 6 years. In the aforementioned period, any renewals are calculated with the exception of the time period in which the grant was received at the same time as the PhD course, up to the legal duration of the relative course;
- l. not having been a recipient of research grants and fixed-term researcher contracts, respectively pursuant to articles 22 and 24 of Law 240/2010 at the University of Messina or at other Italian, state, non-state or computerized Universities, as well as at the bodies referred to in paragraph 1 of art. 22 of Law 240/2010 for a period which, added to the duration provided by the contract announced, exceeds a total of 12 years, even if not continuous;
- m. to be aware that the entitlement of the research grant **is not compatible**:
- with enrollment in Bachelor's degree course, Master's degree course, PhD course with scholarship or specialized school in the medical area, in Italy or abroad, as well as with enrollment in another school/course which, providing for mandatory attendance, prevents the performance of the activities provided by the contract;
 - with the use of scholarships awarded for any purpose, with the exception of those granted by national or foreign institutions useful for integrating research activities with stays abroad;
 - with enrollment in courses which, by requiring compulsory attendance, prevent the performance of the activities by the contract;
 - with the employee work and other controls or collaboration contracts for research activities;
- n. The candidate with a disability must specify, in the application form, the necessary aid in relation to his/her own handicap and the possible need for additional time, documented by a suitable certificate issued by the public health authority responsible for the territory, in accordance with Law No. 104/92, as amended by Law No. 17/99. The candidate with a diagnosis of specific learning disabilities (DSA) must specify, in the application form, the necessary compensatory tools and the possible need for additional time, documented by a suitable certification issued by the NHS structures for no more than three years, or by specialists and facilities accredited by the same, pursuant to Law No. 170/2010 and subsequent D.M. guidelines No. 5669, July 12th 2011.
- For any information, the candidate may contact Dr. Davide Savasta (e-mail: davide.savasta@unime.it - tel. 090 6768986) office manager for the University's "Disability Services/DSA" Operating Unit, located in via Consolato del Mare, No. 41, Palazzo Mariani, Messina.
3. At any time during the procedure, the University can carry out checks on the truthfulness of the declarations produced. In the event of false declarations, the University may dispose at any time, by order of the Rector, **the exclusion** of candidates from the selective procedure,



Università degli Studi di Messina

or **the forfeiture** from the assignment and any benefits acquired, without prejudice to any criminal liability arising therefrom.

4. **The candidates must attach to the application form:**

- a. the curriculum of his/her scientific activity;
- b. the list of publications and titles;
- c. the publications and/or qualifications required for assessment;
- d. EU and non-EU citizen candidates, in possession of foreign qualification/s obtained in non-EU countries, must attach the certificate of qualification/s in possession, from which it is indicated
 - the duration of the study course;
 - the indication of the University that issued the degree;
 - the date of achievement and the final grade;with attached a translation in Italian or in English, declared compliant with the text by the competent diplomatic or consular offices abroad; the qualifications referred to article 5 which are considered useful for the assessment by the evaluation Committee;
- e. health certification for disability or DSA;
- f. scanned copy of a valid identity document with photo;

5. For the purpose of this procedure, scientific publications published **by the deadline of the call** for applications can be evaluated.

6. The publications and/or the attached titles must be declared compliant with the originals by means of a substitutive declaration of the deed of notoriety pursuant to articles 19 and 47 of the DPR No. 445 of December 28th, 2000 and subsequent amendments and integrations (Attachment A).

7. Candidates can also demonstrate the possession of the qualifications indicated above by self-declaration, pursuant to Presidential Decree No. 445 of December 28th, 2000 and subsequent amendments and integrations (Attachment B).

They can avail themselves of self-certifications, according to what is expressly provided for by articles 46 and 47 of the DPR No. 445/2000 and subsequent amendments and integrations:

- Italian and EU citizens;
 - citizens of Countries not belonging to the EU, legally resident in Italy, **limited to** states, personal qualities and facts certifiable or attestable by Italian public institutions (in particular: title obtained from an Italian university).
8. The documents listed above must be entered on the platform, in electronic format (**whose maximum size must not exceed 8 MB**), in the specific "**attachments**" section (formats: pdf, jpg, png).
9. The Administration assumes no liability for any inconvenience attributable to the fact of a third party, by chance or force majeure and related to the forwarding of the application form.



Università degli Studi di Messina

Art. 4

Evaluation Committee

1. For the purposes of assessing candidates' application form, the Council of the structure to which the research grant has been awarded shall propose to the Rector the appointment of the Evaluation Committee, which is composed of four permanent professors and/or university researchers, of whom three staff members and one alternate; which belong to the same scientific disciplinary area as the responsible professor for the project, who, unless he expressly renounces it, is a member of the Committee and takes over the duties of President. The Committee is appointed by a Decree of the Rector and must complete the work within 20 days of the deadline for the submission of application forms.
2. The Evaluation Committee, at its first meeting, establishes the criteria for the evaluation of candidates, with regard to the titles submitted, which will be published on the University website <https://www.unime.it/it/search/assegni-di-research> . Subsequently, it shall carry out a comparative assessment of candidates on the basis of the qualifications presented and an interview.

Art. 5

Comparative assessment of candidates

1. The comparative assessment tends to ascertain the candidate's preparation, experience and aptitude for research.
It consists of the evaluation of the titles presented and an interview based on a discussion of the titles themselves, with an in-depth examination of the topics of particular scientific importance related to the research programme and the verification of knowledge of the foreign language referred to in the Attachment to this call.
2. The overall score is 100 points, divided into as follows:
 - up to a maximum of 75 points which may be assigned to titles;
 - up to a maximum of 25 points attributable to the interview.
3. The minimum score that candidates must have achieved in the evaluation of qualifications in order to be admitted to the interview is **40/75 points**.
4. The assessment of the scientific-disciplinary curriculum shall take into account:
 - any specialization diplomas and/or attendance certificates for post-graduate courses obtained in Italy or abroad;
 - the performance of documented experience for research activities in public and/or private institutions with contracts, scholarships, fellowships or assignments, both in Italy and abroad or professional activity consistent with the requested profile;
 - scientific publications;
 - any other qualifications.
5. The assessment shall be duly justified. The results of the evaluation of the titles, as well as the list of candidates admitted to the interview, will be published on the University website



Università degli Studi di Messina

<https://www.unime.it/it/ricerca/assegni-di-ricerca> before the established date for the interview.

The publication will be valid as legal notification, according to the regulations of the digital administration D. Lgs. No. 82 of 07/03/2005 supplemented and amended by law 35/2012.

- The interview will take place in a place accessible to the public. The competitive activities can be carried out also with telematic modalities, adopting means that allow the appropriate recognition of the subjects involved.

The interview will take place on the day January 9th, 2020 at 11:30 a.m. in the meeting room 8th floor, C block of the Department of Engineering, University of Messina, Contrada Di Dio, S. Agata, 98166 Messina, Italy.

The candidates must have a valid identification document. Failure to submit to the interview will be considered as **renunciation** of selection.

- The interview concerns the discussion of the titles themselves, with an in-depth examination of the topics of particular scientific importance related to the research programme listed in Attachment A to this call, and knowledge of the foreign language required.
- At the end of each meeting devoted to the interview, the Committee shall draw up a list of the examined candidates, together with an indication of the vote recorded by each person, which shall be placed on the register of the examination center.
- After the tests have been completed, the evaluation Committee shall, on the basis of the sum of the obtained scores, draw up a ranking of the merits, designating the candidate who, based on the final ranking, has been the winner. To equal merit and qualifications is preferred the youngest candidate of age.
- The Committee shall inform the Director of the Proposing Structure of the name of the winner of the research grant and shall forward the minutes and the relevant documentation to the Rector and to the Research Grants Operations Unit for follow-up.
- The results of the evaluation are formalized by Decree of the Rector and published on the University website <https://www.unime.it/it/ricerca/assegni-di-ricerca>.

Art. 6

Awarding of the research grant

- The winner of the research grant is obliged to accept the research grant **within 20 days** of the publication of the ranking on the University's website, **penalty forfeiture**, unless prevented by reasons of health or serious reasons duly and in a timely manner justified and substantiated.
- If, within **20 days** of the publication of the ranking on the University's website, the candidate has not communicated the acceptance of the research grant, or **renounces it**, the suitable candidates are summoned until the ranking has been filled.

In the event that the competition has been deserted or has not given rise to any winner, the competition itself may be re-launched, at the request of the Structure, within 30 days of the conclusion of the work of the Evaluation Committee.

The call can be repeated only once and by Decree of the Rector.



Università degli Studi di Messina

3. The research grant are renewable according to the verification of the economic coverage by the University of Messina, with the modalities provided by art. 12 of the current “Rules for the award of research grants”.
4. The *gross* annual amount of the research grant is determined in € 24,000.00, to be considered before the costs to be borne by the University. The grant is paid in deferred monthly installments.
5. The provisions of art. 4 of Law No. 476 of August 13th 1984 and subsequent amendments and additions in the fiscal matters are applied to the research grant; and furthermore in matters of social security, the provisions of art. 2, paragraph 26 and subsequent of the Law No. 335 of August 8th 1995 and subsequent amendments and integrations.
6. As regards the risks from accidents and civil liability are concerned, the University provides insurance cover for the holder of the research grant.

Art. 7

Nature and conclusion of the contract

1. The relations between the holder of the research grant and the University will be settled by the conclusion of a contract of private law.
2. The contract does not constitute an employment relationship and does not give rise to rights of access to the roles of University staff.
3. If, during the course of the research collaboration, for any reason (withdrawal, incompatibility, etc.), there is a possibility that collaboration may not continue, the contract shall be concluded with the candidate who is ranked in the immediately following position, at the express request of the scientific director of the project, approved by a decision of the Structure concerned and provided that there is a residual time of at least one year after the completion of the collaboration.

Art. 8

Rights and duties of holders of research grants

1. The research activity, according to article 9 of the Regulation for the award of research grants must be carried out continuously, within the limits laid down in the research programmes and in the instructions given by the responsible professor, who verifies the activity performed, without constraints of subordination and predefined working hours.
2. The holder of the research grant shall be entitled to avail himself/herself of the facilities and equipment of the Department in which he/she carries out his/her work. If the activity is to be carried out in external structures, it must be expressly authorized by the responsible professor and communicated to the competent Office of the Central Administration of the University
3. The duties of the grant holder, as determined by the individual contract, are carried out under the direction of the responsible professor, who verifies the work performed.
4. The research grant holder shall be obliged to:



Università degli Studi di Messina

- submit to the Board of the Reference Structure, at least 30 days before the date of completion of the year of activity, an annual report on the work carried out, subject to the approval of the responsible professor;
 - in the last year of his/her activity, it is required to present the final results of his/her work in a public seminar or in the form defined by the reference structure, approving the scientific validity and notifying the competent Office of the University's Central Administration.
5. The research grant holder can carry out:
- limited self-employment, subject to written communication and agreement with the responsible professor, provided that such activity is declared compatible by the structure in which the research activity is carried out and does not involve a conflict of interests with the research activities carried out for the University;
 - orientation and mentoring activities and examination assistance as a subject's practitioner;
 - a period of in-depth study abroad, obtaining specific attestation from the host body, according to a programme to be defined with the responsible professor and approved by the reference structure, and with costs borne by the structure, without prejudice to the possibility of access to targeted incentives.
6. The holder of the medical area research grant may carry out care activities consistent with the research project, under the supervision of the head of science and subject to authorization of the host hospital facility who will notify the relevant office of the central administration of the University in a timely manner.
7. The holder of the research grant is obliged to observe the provisions of law No. 240/2010 and the University Regulations for the award of grants for the performance of research activities. He/she is also obliged to respect the rules of the "Regulation on industrial property of the University of Messina", D.P.R. No. 62/2013 containing the "Regulation on the Code of Conduct for Public Employees", of "Code of Conduct adopted by the University", as well as the provisions contained in the "Ethical Code" of the University.

Art. 9

Suspension, withdrawal and termination of contract

1. The assignee's activity is **suspended** for maternity (five months).
It may also be **suspended** on grounds of serious illness or in cases of other prolonged, justified and justified absences which make it objectively impossible to carry out the activity, subject to the opinion of the responsible professor and deliberate of the structure.
2. The periods of suspension, with the exception of compulsory maternity leave, may be recovered at the end of the natural expiry of the contract, by agreement with the responsible teacher and within the limits imposed by the funding available. In the case of maternity, the contract is automatically extended, in accordance with the rules in force, while respecting the limits imposed by the funding available.



Università degli Studi di Messina

3. A total period of justified absence of not more than 30 working days per year shall not constitute suspension and shall not be recovered.
4. During the maternity leave, the research holders are entitled to the relevant allowance paid by the INPS in accordance with the applicable maternity regulations and the Decree of the Italian Minister of Labour and Social Security of 12 July 2007 and in the case of sick leave of more than four days, they are entitled to the daily sickness allowance within the limits provided for in Law No. 296 of 27 December 2006.
In the period of compulsory abstention for maternity, the allowance paid by the INPS under art. Decree 5 of 12 July 2007 is supplemented by the University up to the full amount of the research grant.
5. The parties may **withdraw** from the contract at any time. Reasons must be given for the withdrawal. The holder of the research grant who intends to withdraw from the contract is required to **promptly** notify the Rector and the relevant Structure.
6. If the holder of the research grant, without a justified reason, does not regularly carry out the research activity, or if it is considered invalid by the Council of the reference Structure or the grant holder is responsible for serious and repeated failures, upon request of the responsible professor approved by the Council of the Structure, a procedure is initiated which can lead, following a resolution of the Board of Directors, to **the termination of the contract** pursuant to articles 1453 and following of the Civil Code.
The **cause of termination** of the relationship is the serious and significant breach pursuant to art. 1460 cc, by the grant holder.
7. The contract **shall be terminated automatically**, without any prior notice, in the event of a breach of the incompatibility regime. In the latter case the revocation and termination of the contract are ordered by Decree of the Rector.
8. The contract **is also terminated** in case of violation of the obligations deriving from the Code of Conduct of employees, referred to in the D.P.R. of 16.04.2013, n. 62, and the Code of Conduct adopted by the University.

Art. 10

Intellectual property

1. Industrial property rights on the results achieved by the grant holder in the execution of activities carried out on behalf of the University, included by way of example, industrial inventions, models, designs, plant varieties, as well as intellectual and industrial property rights deriving from the creation of software or databanks ("Results"), belong exclusively to the University that can freely dispose of them, even within the framework of conventional agreements entered into by the structures with third parties, without prejudice to the moral right of the grant holder to be recognized author or inventor. In the case of economic exploitation of the invention, the grant holder has the right to fair compensation according to the methods and terms indicated in the Regulation on industrial property of the University of Messina.
2. The grant holder has the right to publish the Results of his/her research activity, unless the publication does not prejudice the right of the University to protect the results. The grant



Università degli Studi di Messina

holder is therefore obliged to communicate the achievement of the Results to the responsible professor without delay.

Art. 11

Processing of personal data

1. The processing of personal data connected to this insolvency procedure is carried out by the University in accordance with the European General Regulation No. 679/2016 for the protection of personal data and of the Code regarding the protection of personal data, Legislative Decree 196/2003 and subsequent amendments and integrations.
2. The information is available in the privacy section of the University, <http://www.unime.it/privacy> and is an integral part of this announcement. By signing the application form, the candidate acknowledges having read the aforementioned information and consents to the processing of personal data, in the manner indicated therein.

Art. 12

Responsible for the procedure

1. The person in charge of the procedure is Dr. Rosanna Barbuto, Deputy head of Research grants and Scholarships Research Unit of the Administrative Department "Research and internationalization" of this University. For information, interested parties may contact the Research Services Organizational Unit – Research grants and Scholarships Research Unit of the Administrative Department "Research and internationalization" of this University (telephone numbers: 0906768503/8574/8615; e-mail: assegni@unime.it).

Art. 13

Publicity

1. The present decree will be published by posting on the Online Register of the University of Messina, it will also be made public also via the University websites (<https://www.unime.it/it/ricerca/assegni-di-ricerca>), MIUR (<http://bandi.miur.it/>) and the European Union (<http://ec.europa.eu/euraxess/>).

Art. 14

Final rules

1. Although not explicitly mentioned in this call, reference is made to the standards contained in art. 22 of the law No. 240/2010, in the DPR No. 62/2013 containing the "Regulations on the Code of Conduct of civil employees" and of the "Code of Conduct adopted by the University" as well as the provisions contained in the "Code of Ethics", in the Regulations for the awarding of grants for the carrying out of research activities (research grants) of the



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Ministero dell'Istruzione,
dell'Università e della Ricerca



Università degli Studi di Messina

University of Messina (D.R. No. 1394 of June 28th 2019), in the Regulation on industrial property of the University of Messina, as well as other provisions in force.

2. The submission of the application form for participation in the selections through the online procedure, as per art. 3, implies acceptance by the candidate of the rules contained in this announcement and in the cited regulations.

II RETTORE

Professor Salvatore Cuzzocrea



Università degli Studi di Messina

ATTACHMENT A

Title of the research project:

Corrosion assessment of naval structures: development of innovative integrated non-destructive corrosion sensors for in situ monitoring systems.

Main field of research:

Agricultural Sciences Anthropology Architecture Arts Astronomy Biological Sciences
 Chemistry Communication Sciences Computer Sciences Criminology Studies of civilization
 Demography Economics Educational Sciences Engineering Environmental Sciences
 Ethics of health sciences Ethics of natural sciences Ethics of physical sciences Ethics of social sciences
 Geography History Information Sciences Juridical Sciences Linguistic Sciences
 Literature Mathematics Medical Sciences Neuroscience Pharmacological Sciences
 Philosophy Physics Political Sciences Psychological Sciences Religious Sciences
 Sociology Technology Others

CUN Area: AREA 09

ACADEMIC DISCIPLINE: ING-IND/22 Sciences and Technology of Materials

Synthetic description (maximum 900 characters including space):

The research activity will be oriented to the development of corrosion sensors and evaluation systems integrated with non-destructive investigation techniques for assessing the damage of naval structures. At the same time the problem of the development of data analysis protocols for the identification of the degradation mechanism will be addressed.

At a later stage the research activity will have to be integrated with the other activities of the Thalassa project specific to the OR5 and in particular with the elaboration of predictive numerical methods for the assessment of degradation and risk over time, with particular attention to the recognition of specific damage conditions (e.g. microcracking or macrocracking, etc.).

Scientific responsible of the project: Professor Edoardo Proverbio

Number of positions: 1

Duration of the research grant: 12 (twelve) months **Renewable:** YES

Place: Engineering Department, c/da di Dio S. Agata of Messina, 98166 Messina.

Required qualification:

- PhD degree title in the relevant scientific disciplinary area, obtained in Italy or equivalent qualification obtained abroad



Università degli Studi di Messina

Required foreign language: English

Topics of the interview:

- Corrosion mechanisms in seawater
- Corrosion protection techniques in natural environments
- Corrosion monitoring systems
- Non-destructive techniques applicable to corrosion monitoring

International Mobility: NO

Countries where research can be conducted: Italy

Recipients of the research grant:

- early-stage researchers (0-4 years) (postgraduate)
- expert researcher (4-10 years) (Post-Doc)
- highly experienced researcher (> 10 years)