



UNIMORE
UNIVERSITÀ DEGLI STUDI DI
MODENA E REGGIO EMILIA

DIREZIONE ORGANIZZAZIONE, PROGRAMMAZIONE E GESTIONE RISORSE UMANE

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THE MANAGER

GIVEN the law n. 168, dated 9 May 1989;
GIVEN the laws n. 59 dated 15 March 1997, and n. 127 dated 15 May 1997, as amended by law n. 191 dated 16 June 1998;
GIVEN the decree of the President of the Republic n. 445 dated 28 December 2000;
GIVEN the law by decree n. 82/2005 dated March 7th;
GIVEN the law n. 240 dated 30 December 2010, especially article 18 and article 22;
GIVEN the law by decree n. 192/2014, converted by the law n. 11, dated 27 February 2015;
GIVEN the applicable University Regulations to carry out research;
GIVEN the Law n. 120 dated Sept. 11th 2020;
GIVEN the decree law n. 36 dated 30.04.2022 entered into force on 01/05/2022;
GIVEN the decree law n. 198 dated 29.12.2022 entered into force on 30/12/2022 “Disposizioni urgenti in materia di termini legislativi (c.d. decreto milleproroghe)” converted into law no. 1 of 24/02/2023;
GIVEN the decree law n. 215 dated 30.12.2023 entered into force on 31.12.2023 “Disposizioni urgenti in materia di termini normativi (c.d. decreto milleproroghe 2023)”;
GIVEN the resolution of the Council of the Department of Physics, Informatics and Mathematics dated 06 May 2024 about a research grant on the project “Midwest Integrated Center for Computational Materials”, (CUP E93C23002280005);

DECREES

Art. 1

Number of research grants

A selective public procedure is announced, by qualifications and interview, for the assignment of 1 “senior grant” to carry out research (hereinafter research grant) at the University of Study of Modena and Reggio Emilia, in the research location better specified hereinafter.

This kind of research grant is reserved towards persons with a particular scientific qualification and significant and documented experiences into the research’s field (apprenticeship and internship are excluded) demonstrated by participation in publications of results or achievement of patents.

The Administration ensures equal rights and opportunities between men and women for the assignment of the grant in question.

Art. 2

Location, subject area, research title, general aims of research, tutor, interview programme and title subjects

LOCATION: Modena (ITALY)

LOCATION	Disciplines and/or academic disciplines in which the candidate’s qualifications must specifically refer	TUTOR
Department of Physics, Informatics and Mathematics	FIS/03 (Physics of matter)	Doctor Marco GOVONI

The aims and title of the research, the interview programme and the subjects of the qualifications of the selective procedure for the attribution of the above research grant are the following:

Title of research:

First principles calculations of materials with defects for quantum technologies, within the project "Midwest Integrated Center for Computational Materials", (CUP E93C23002280005).

Aims of research:

The goal is the computational study of excitations in confined systems such as defects in semiconductors for quantum technologies.

Interview program:

- Computational methods for the first-principles study of materials
- Application development, also in high-performance computing

*Art.3**Duration, renewal and amount of the research grant*

The grant has an initial duration of **12 months**. It may be renewed for a period not less than one year to a maximum of six years. The grant can be awarded, or renewed, also for a duration of less than one year, but in any case, not less than six months, only in order to carry on research projects whose expiration date wouldn't allow to cover a one year grant.

(The total duration of) the relationship that has been established is for a term pursuant to the laws and regulations in force, including any renewals, may not exceed six years, excluding the period in which the grant was assigned simultaneously with a PhD, within the limit of the legal duration of the relative course.

The renewal of the grant is decided by the Centre Council according to the procedures provided by art. 9 of the University Regulations for the provision of grants to carry out research.

A period abroad is envisaged of no longer than one year within the two-year period, at one or more qualified Universities or research institutes.

The yearly total of research grant is **Euro 30.116,00 net of social security contributions to be paid by the Administration**. The amount of the grant is paid to the beneficiary in monthly instalments.

In terms of social security, the grants in question apply the provisions referred to in art. 2, paragraphs 26 and following, of Law August 8 1995, no. 335 and subsequent modifications and supplements. The individual must register for the separate management of Social Security and National Insurance contributions.

*Art. 4**General admission requirements*

Who have completed a PhD or an equivalent qualification abroad or those who are in possession of a master's degree (DM 270/2004) belonging to one of the LM-17, LM-54, LM-71, LM-33, LM-53 classes and equivalent by law to these supported with a professional scientific curriculum adequately sufficient to carry out research, with the exception of permanent staff of universities, government research and experimentation institutions and agencies, the National Agency for New Technologies, Energy and Sustainable Economic Development (ENEA) and the Italian Space Agency (ASI), as well as degrees issued by scientific post graduate institutions that have been recognized as equivalent to the title of Doctor of Philosophy in accordance with Article 74, fourth paragraph, of Presidential Decree of July 11th 1980, n. 382.

For the purposes of participating in the call for applications in question, in addition to the above, the following additional qualifications are required:

- **at least nr. 5 publications in the field of computational theoretical condensed matter physics.**

As regards the degrees obtained at foreign universities, in the lack of an equivalent qualification, the candidate must request recognition of the suitability of his/her degree obtained at a foreign university. This request must be made within the body of the admission's application to the selection procedure itself.

In such cases, the request must be accompanied by the necessary documentation to enable the Examining Committee to evaluate the suitability of the qualification (e.g. declaration of value *in loco* issued by the competent Embassy).

Persons who are excluded from voting for any reason cannot be accepted for the selection procedure.

Candidates cannot have neither criminal proceedings nor criminal sentences in progress. The Administration reserves itself the discretionary opportunity to weigh the crimes committed, in order to protect its good name and image. In any case, candidates are expressly required to indicate in the entry application eventual criminal sentences in his/her charge, even not definitive, and/or pending trials in his/her charge.

Foreign nationals must also possess the following requisites:

- a. enjoy civil and political rights in the country to which they belong or from which they originate;

- b. except for holders of Italian nationality, be in possession of all the other requirements provided for citizens of the Republic;
- c. have an adequate knowledge of the Italian language.

Candidates must be in possession of such requirements at the date of expiry of the term established in the notice of this selective procedure for the presentation of the entry application.

Candidates are accepted for the selective procedure with certain reservations.

The Administration may order exclusion from the selective procedure due to lack of prescribed requisites at any time as long as such exclusion is duly motivated.

The following will determine automatic exclusion from the selection process:

1. lack of applicant's signature, as provided by art. 5;
2. failure to comply with the respect of the deadline and/or the procedures for submitting;
3. failure to meet the requirements referred to in this article paragraph 1.

Pursuant to article 18 of Law 240/2010 contracts in any professional capacity cannot be awarded by the University to individuals who have any degree of relationship or are in any way connected, up to the fourth degree included, with a professor employed at the centre or the facility requesting the activation of the contract, or with the Rector, General director, or a member of the Board of Directors of the University.

The research grant cannot be awarded to the winning candidate who follows a degree course or second-cycle or specialization school degree or university master.

Art. 5

Applications and deadline

The application must be filled in and submitted only electronically by PICA – la Piattaforma Integrata Concorsi Atenei, available at the following link: <https://pica.cineca.it/unimore/> penalty of exclusion within 30 days starting from the day after the publishing of the notice on the University “Albo online”, at 1:00 pm (Italian time).

Whenever the deadline date is a public holiday, the deadline will be on the first working day coming (art. 2963 - 3 c.).

The PICA platform is accessed via SPID or PICA account. In the case of using LOGINMIUR credentials, it is recommended to verify that they are active

Applications submitted in different ways by the PICA platform will not be accepted.

The guideline to submission is on line at: <https://pica.cineca.it/file/LineeGuidaCompilazioneDomandaPICA.pdf/>
Before the deadline it is possible to save the application in draft form. Once the procedure for completing and sending the application has been successfully completed, the computer system automatically sends a receipt to the candidate's email address certifying the date and time of submission of the application; in case of non-receipt, contact the Cineca support service, via the link at the bottom of the page <https://pica.cineca.it/unimore/>
Since the Pica platform is managed by the Cineca consortium, for any problem of a technical nature it is necessary to contact Cineca promptly and directly, via the direct link present both on the general page of the competitions and on the page of each individual competition, by clicking in the box bearing the wording " For technical problems, contact support".

The Human Resources Selection and Development Office has no competence for solving technical-IT problems.

Any further information on the submission of the application can be required by email (ufficio.selezioneassunzione@unimore.it) or telephone (+39 059 205 6445-6075-7078) to Ufficio Selezione e Sviluppo Risorse Umane

The Administration disclaims all liability for the dispersion of notices due to inexact indication of addresses by candidates or failure or late notification of any changes in addresses indicated in the application, or for any telematics mis-deliveries, which are attributable to third parties, accidental occurrences or *force majeure*.

The submission application must be filled in in each part following the electronic guidelines and the applicants shall declare, under their own responsibility (D.P.R. 28 December 2000, n. 445):

- a) first name, surname and “Fiscal Code” (Italian Social Security Number);
- b) date and place of birth;
- c) nationality; foreign nationals must also declare to own a permit to stay or to have asked for it;
- d) permanent address and domicile address, if different from the residence;
- e) the address to be used for all notices relating to the competition (including a Certified E-Mail System address, if it is owned);
- f) academic degree obtained (old regulation degree or new regulation second-cycle degree or specialization

- school degree) the grade point average as well as the date and University at which the degree was obtained, or the equivalent academic qualification obtained at a foreign university;
- g) the academic degree obtained at a foreign university whose suitability needs to be acknowledged;
- h) the PhD degree, if owned, and the date and administrative location of the University where the course was staged;
- i) if they enjoy civil and political rights;
- j) that they are not being registered to a PhD course, a postgraduate specialty program of medical area, a university master in Italy or abroad;
- k) not to be working for any Academies or Authorities as listed at art. 4;
- l) not to be employed in private sectors, nor part time and not to make profit by ongoing self employment activities. Otherwise, to be available to relinquish in case of awarding the grant;
- m) not being the holder of other scholarships awarded for any reason whatsoever not to benefit from any other grants or fellowship, and, otherwise, to be available to relinquish in case of awarding the grant;
- n) not to have any degree of relationship or to be in any way connected, up to the fourth degree included, with a professor employed at the Centre or the facility requesting the activation of the contract, or with the Rector, General director, or a member of the Board of Directors of the University;
- o) to commit to communicate any change about the declarations contained in the application form;
- p) to have examined the notice about the selective public procedure and the applicable University Regulations to carry out research;
- q) To be physically able for the appointment;
- r) To know adequately the Italian language;
- s) Which language will use during the interview relating to the examination agenda;
- t) that he/she has never received criminal sentences; otherwise, the winners shall self-certify the sentences passed, the date the sentence was passed and the judicial authority that passed the sentence (including in the case of any amnesties, legal pardons, remissions, non-registration benefits, etc., and of nothing being shown in the criminal office registrations). Criminal proceedings must be indicated whatever their nature. Foreign nationals shall further self-certify that they have received criminal sentences in the country of which they are nationals or in Italy;
- u) the municipality on whose electoral lists they are registered or the reasons for the non-registration or cancellation from such lists;
- v) the military position;
- w) to have or not to have been awarded one or more research grants in accordance with the art. 22 of the 240/2010 law.
- x) in case of titularity of a research grant to be available to relinquish in case of awarding the grant in object;
- y) to/not to benefit from any other grants or fellowship;
- z) to be/not to be a public employee;
- aa) to have the additional qualifications required (art. 4 of the Decree).

Pursuant to law n. 104, dated 5 February 1992, disabled candidates and candidates with DSA, pursuant to the DPCM 9 November 2021, will have to make an explicit request in relation to their situation regarding the necessary aids to be able to attend the interview in accordance with the respective regulations.

The submission of the application form must be finalized as follows:

- by signing the application on the server using Confirma service: the applicants need hardware equipment, e.g. smart card, USB device, supporting Confirma system. After signing applicants can download the signed application;
- by signing the application digitally on applicants' pc: in order to sign digitally it is necessary to have a hardware, e.g. smart card, or USB device with digital signature certificate issued by an approved certification body) and a signature for digital signatures in order to create a pdf. p7m file from the pdf file downloaded from the PICA site. The pdf.p7m file must be uploaded in the website again;
- by signing the application without digital signature. The applicants need to download the pdf file of the application, print it, sign it in original, scan it in a pdf file and upload it again on the website

Application forms with no signature are not valid therefore will be not admitted with the exception of applications submitted with SPID access mode.

In case of access via SPID, indeed, no signature will be required when submitting the application.

*Art. 6
Qualifications and Curriculum vitae*

The application must be complete with:

- a) Research results suitable for the selective public procedure according to the applicant. Applicants can

- upload maximum 30 papers only in pdf format – max 30 MB each file) and list of them;
- b) Other documents attached: document suitable for the selective public procedure according to the applicant. Applicants can upload maximum 30 papers only in pdf format – max 30 MB each file) and list of them;
- c) a valid copy of identity card or visa or permit to stay;
- d) curriculum vitae European format.

Any potential document attached to the application should be uploaded only in PDF format. Every document that will not respect format as stated before won't be taken into account and evaluated by the examining committee.

Under Article 15 of the Law of 12 November 2011, n. 183, it is stated that certifications issued by public offices in relation to status, personal qualities and facts are valid and may only be used in relations between private individuals. In relations with organs of public offices and managers of public services, the certificates and sworn statements are always replaced by the declarations referred to in articles 46 and 47.

Public offices and managers of public services are required to obtain as a matter of procedure the information which is the object of the signed declarations referred to in articles 46 and 47, as well as all data and documentation held by public offices, following indication by the individual concerned of the elements necessary for retrieval of the information and the details requested, or they may accept the signed declaration produced by the individual.

Non-community nationals who live in Italy must produce all relevant documents to verify conditions, facts and personal qualities certifiable by non-Italian public or private bodies.

Non-community nationals who do not live in Italy must produce all relevant documents to verify conditions, facts and personal qualities certifiable by Italian or non-Italian public or private bodies.

Non-community nationals who live in Italy may produce qualifications in original copy, certified copy or copy declared to be in conformity with the original. They may make use of substitutive declarations, according to the procedures provided for E.U. nationals, only in the event of having to prove conditions, facts and personal qualities certifiable by Italian public or private bodies.

Non-community nationals who do not live in Italy must produce the qualifications either in original copy, in certified copy or in copy declared in conformity with the original.

The criteria for assessing academic qualifications will be analytically determined by the selection committee by way of an overall evaluation, expressed with a mark out of one hundred, in accordance with the limits stated below:

- **60 points altogether for the qualifications divided up as follows:**
- **up to 10 points** for a PhD consistent with the field for which the grant is being awarded;
- **up to 5 points** for the degree score determined as follows:

up to 107/110 = 0 points

108/110 = 1 point

109/110 = 2 points

110/110 = 3 points

110/110 summa cum laude = 5 points;

- **up to 25 points** for publications that meet the categorization requirements defined by the CIVR and an aptitude for scientific research demonstrated through the formulation of an assessment that takes into account the academic qualifications and the curriculum submitted by the candidate;

- **up to 20 points** for specialisation degrees; certificates of attendance of post-graduate courses; other qualifications related to the service provided following employment contracts or casual work contracts or term-contracts, scholarships and appointments in national, foreign or international institutes, or in private institutions or consortia engaged in research, duly certified and showing the period and duration of the performed activities.

The candidates will be accepted for an interview if they have achieved - in relation to the presentation of the qualifications held - a score of at least 30 points of the 60 available.

The results of the evaluation of the qualifications will be made known to candidates by posting in the Centre where the interview is held. With respect to the candidates accepted for the interview only, evaluation of qualifications will be notified at the same time as the candidates are called for the interview.

Art. 7

Interview

The examination will consist of an interview relating to the examination agenda indicated in article 2 above.

During the course of the interview, the examining committee will verify the candidate's ability to discuss the topics relating to the exam in at least one foreign language.

Before starting the examination, the examining committee will determine the questions to ask the candidate; such question will be drawn by each candidate.

For the interview, the Committee has at disposal **40 points**; the test will not be considered passed unless the candidate has obtained at least 30 points out of the 40 available.

Candidates will be informed of details regarding the day and time, and eventually the place, of the interview at least seven days beforehand, except for the candidates' possibility to expressly renounce at them, by email or by telegram or registered letter with return receipt.

It is necessary to provide an email address in the body of the application.

To access the room where the interview is held, candidates must be in possession of a valid identity document.

The interview will be held in a room open to the public.

At the end of each session dedicated to the interview, the committee judging will compile a list of examined candidates, with indication of the score achieved by each candidate, which will be posted at the place where the examination is staged.

In order to encourage the participation of applicants and streamline the procedure in relation to foreign candidates residing outside the Italian territory, and for those residing outside the region, the interview may be held by video conference via computer using suitable locations and equipment, once the technical feasibility has been verified.

In any case, it will be possible to use the telematic method to support the interview, even after the cessation of the state of emergency.

The above-mentioned methods of conducting the interview will be described in detail in the minutes of the selection committee.

In any case, compliance with all security measures is due time to time.

Art. 8

Examining committee

By decree of the Manager, following the proposal of the Council of the Centre in which cooperation will take place, the examining committee will be appointed.

The Examining Committee is to be constituted of three members, of whom one shall also perform the function of secretary, selected from the Full Professors, Associate Professors or researchers in the field which is object of the research grant.

The members of the committee will be appointed by the Council of the Centre in which cooperation will take place. The Centre Council will indicate the three regular members of the examining Committee, as well as two deputy members to be used in case of motivated and justified impediment of the regular members.

The Committee shall be entitled to avail itself of foreign language experts.

At the end of the proceedings, the Committee will draw up a special report containing the evaluation criteria, the judgements, the overall score awarded to each candidate and the ratings of merit.

The decisions of the Committee shall be final.

In order to publicise the composition of the examining committee, the decree of appointment of the committee will be posted, for a period of not less than 120 days, in the University's "Albo online" at the address <https://wss.unimore.it/public/albo/>.

Art. 9

Forming the ratings of merit

The ratings of merit of the candidates are formed according to the order of overall scores obtained by each candidate.

The overall score is the result of the sum of the obtained qualification evaluation score and the score obtained in the interview.

Pursuant to the provisions of art. 22 paragraph 2 of Law 240/2010, should 2 or more candidates obtain an equal score, the candidate in possession of the title of PhD or specialization diploma in the medical field will be the preferred candidate.

In the event that there is a further instance of equal scores, the younger candidate will be the preferred choice.

The research grant, as determined at art. 1 of this selective procedure, shall be awarded to the winning candidate of this selective procedure.

The ranking of merit is approved by decree of the Manager and is effective from the publication on the online Register.

In case of waiver of the assignee or resolution due to failure to accept the grant after the beginning of the work relationship, the grant will be awarded to the next entitled candidate listed in the ratings, upon the following

conditions: the Department submits formal request, the research project residual period is no less than six months, with integration of the budget covering the minimum duration of the grant. In order to immediately and suitably publicise the above ratings, these will be posted, for a period of not less than 120 days, in the University's "Albo online" at the address <https://wss.unimore.it/public/albo/>.

Art. 10

Publicising this selective procedure

The call for applications to this procedure will be publicized **for a period of no less than 30 days** via INTERNET on the University's "Albo online" at link <https://wss.unimore.it/public/albo/> and on the website of the Ministry and the European Union.

Art. 11

Awarding of research grants

The winner of this selective procedure establishes a self-employed work relationship according to private law. Such relationship is not part of the institutional configuration of university professorship and the role of university researcher and is not therefore useful for purposes of employment in the personnel roles of Italian universities and university institutes.

The University, within its discretion, reserves the right not to proceed with the awarding of the grant and upon signing the relative contract.

If the winner of this procedure, even for facts not attributable in any case to him, is unable to take up service in time to ensure the conclusion of the activities by the deadline of the research project, the University itself reserves the right not to proceed with the signing of the relative contract, except for any exceptions to the expiry of the project or the possibility of an agreement between the parties to reshape the duration of the contract, which cannot be less than the minimum limit of 6 months determined by the regulatory change introduced by art. 19 of law no. 120 of Sept. 11th 2020, and the relative remuneration.

The University is exempt from any liability if, following the signing of the contract with the winner coming from a non-EU country subject to a financial embargo in accordance with current EU provisions, the payment of the grant is slowed down or it is not possible to proceed with the payment due to the financial sanctions provided for individuals/organizations and/or countries.

The winner will be invited, pursuant to the provisions of art. 46 of Presidential Decree n. 445/2000, to self-certify the following conditions, facts and personal qualities:

- 1) birth certificate;
- 2) enjoyment of political rights; foreign nationals shall self-certify that they enjoy civil and political rights in the country to which they belong or from which they originate;
- 3) his/her nationality;
- 4) that he/she has never received criminal sentences; otherwise, the winners shall self-certify the sentences passed, the date the sentence was passed and the judicial authority that passed the sentence (including in the case of any amnesties, legal pardons, remissions, non-registration benefits, etc., and of nothing being shown in the criminal office registrations). Criminal proceedings must be indicated whatever their nature. Foreign nationals shall further self-certify that they have received criminal sentences in the country of which they are nationals or in Italy;
- 5) possession and number of "Fiscal Code" (Italian Social Security Number);
- 6) all details of which the party involved is aware contained in the public records office registers.

The conditions, facts and personal qualities self-certified by the winner of this selective procedure shall be submitted, by the University of Study of Modena and Reggio Emilia to suitable checks, including random checks, as to their truthfulness.

With each winner of this selective procedure will be stipulated contract of self-employment that will be signed by the winner and the Manager of the "Direzione Organizzazione, Programmazione e Gestione Risorse Umane".

In the case of a non-EU winner, the signing of the contract is also conditioned by the conclusion and verification of the preliminary obligations aimed at obtaining the residence permit.

The winner of this selective procedure shall comply with the provisions of the University Regulations for the awarding of grants to carry out research, and especially the provisions of articles 8, 10, 11, 12, 13, 14 and 15 of such Regulations.

A copy of these Regulations is available on the Website of the University of Study of Modena and Reggio Emilia, at www.unimore.it and at www.ufficio.selezioneassunzione.unimore.it

Candidates who, within the term established by the Administration, fail to declare their acceptance of such term or who do not take up service within the established term shall no longer be eligible for grants to carry out research.

Delays can only be justified that have been caused by serious occurrences such as health problems or duly

proven *force majeure*. Any postponement of the starting date or interruption of the period of usufruct of the grant shall be allowed with respect to the winners who provide proof of having pregnancy or confinement in accordance with applicable regulations.

The prescribed procedure for the cancellation of the relationship is begun against grant holders who, after starting scheduled research activities, fail to continue these in a regular and continuative manner without justified reason, for the entire duration of the grant, or who are responsible for serious and repeated offences.

The grant holder must present, yearly, to the Council of the Centre where cooperation is provided a detailed report on the research activities performed. This report must be approved by the tutor and Centre Director.

With reference to the provisions of the Italian Legislative Decree n. 196/2003 and of the EU Regulation 2016/679, concerning the guardianship of people and other subjects regarding the processing and the circulation of personal data, the Selection and Development Human Resources Department of the University of Study of Modena and Reggio Emilia – Via Università, 4 – 41121 MODENA, as holder of the data inherent to this procedure, informs that the processing of data contained in the applications is uniquely oriented to the carrying out of selection proceedings and that the same applies to the use of computer routines and paper storage of respective documents.

The Office specifies that the submittal of the data requested is obligatory and that the refusal of providing them implies as a consequence the exclusion from selection.

The privacy policy is published at the following link <https://pica.cineca.it/unimore/file/InformativaPrivacy.pdf>. Candidates may exert the rights as set forth in the above mentioned laws, among which is the right to access their own personal data, as well as some complementary rights, among which is the right to update, rectify, integrate or cancel erroneous or incomplete data, or data collected not in accordance with the law.

Pursuant to the provisions of art. 5 of law n. 241 dated 7 August 1990, the person in charge of the procedure indicated in this notice is Dr. Maria Raffaella INGROSSO, Selection and Development Human Resources Department, – University of Study of Modena and Reggio Emilia, Via Università n. 4 - Modena, email address: ufficio.selezioneassunzione@unimore.it.

For everything not expressly provided by the notice and in the event of applicability, reference shall be made to the provisions of the regulations mentioned in the introduction to this selective procedure and, if applicable, to the provisions of the Italian Civil Code.

Modena 13 May 2024

THE MANAGER
(dottorssa Maria Raffaella INGROSSO)
Digitally signed under the law “D.Lgs. N. 82/2005”