



CONSIGLIO NAZIONALE DELLE RICERCHE
Istituto per le Tecnologie della Costruzione
SEDE DI SAN GIULIANO MILANESE



CALL No. 400.1 ITC PNRR

Selection based on qualifications and interview pursuant to article 8 of the "*Regulations concerning the recruitment of personnel with fixed-term employment contracts*", for the recruitment, pursuant to article 83 of the National Collective Bargaining Agreement for the 2016-2018 "Education and Research" sector, signed on 19 April 2018, of a staff member with **Level III Researcher** professional profile, with the Construction Technologies Institute (ITC) of the CNR – headquarters of San Giuliano Milanese (MI), Italy.

THE DIRECTOR

HAVING REGARD to Legislative Decree No. 127 of 4 June 2003, containing provisions related to the "*Reorganization of the National Research Council of Italy (CNR)*";

HAVING REGARD to Legislative Decree No. 213 of 31 December 2009 "*Reorganization of Research Institutions pursuant to Article 13 of Law No. 165 of 27 September 2007*";

HAVING REGARD to Legislative Decree No. 218 of 25 November 2016 containing provisions related to the "*Simplification of activities of Public Research Institutions pursuant to Article 13 of Law No. 124 of 7 August 2015*";

HAVING REGARD to the Statute of the National Research Council of Italy (CNR), issued by Provision of the President of CNR No. 93, Ref. 0051080/2018 of 19 July 2018 whose notice was published on the website of the Ministry of Education, University and Research on 25 July 2018 and entered into force on 1 August 2018;

HAVING REGARD to the Staff Regulations of the National Research Council of Italy, issued by Provision of the President of CNR Ref. No. 0025035 on 4 May 2005, and published in the Ordinary Supplement No. 101 to the Official Journal of the Italian Republic No. 124 of 30 May 2005;

HAVING REGARD to Presidential Decree No. 487 of 9 May 1994 "*Regulation containing provisions related to the access to employment in public administrations and the procedures for holding competitions, single competitions and other types of recruitment in the public service*" and subsequent amendments;

HAVING REGARD to Legislative Decree No. 165 of 30 March 2001 laying down "*General rules concerning the organisation of employment in public administrations*" and subsequent amendments;

HAVING REGARD to Legislative Decree No. 196 of 30 June 2003 laying down the "*Code on protection of personal data*" and subsequent amendments;

HAVING REGARD to the "*Regulation concerning the hiring of personnel with a fixed-term employment contract*" as approved by the Board of Directors by resolution No. 162 on 9 November 2005, for the applicable parts;

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Sede Secondaria di Bari	Via Paolo Lembo 38/B, 70124 Bari	Tel. 080 5481265	
Sede Secondaria di L'Aquila	Via G. Carducci 32, 67100 L'Aquila	Tel. 0862 316669	Fax 0862 318429
Sede Secondaria di Napoli	c/o Polo Tecnologico di San Giovanni a Teduccio, 80146 Napoli	Tel. 081 2530019 / 20	
Sede Secondaria di Padova	Corso Stati Uniti 4, 35127 Padova	Tel. 049 8295618	Fax 049 8295728

HAVING REGARD to the adoption of the European Charter for Researchers and of the Code of Conduct for the Recruitment of Researchers based on the European Commission Recommendation No. 251 of 11 March 2005 on which the organisation has resolved to base its actions (Board of Directors Resolution No. 129/2005);

HAVING REGARD to Legislative Decree No. 198 of 11 April 2006 containing provisions related to the *"Implementation of the principle of equal opportunities and equal treatment of men and women"*, as amended by Legislative Decree No. 5 of 25 April 2010, implementing Directive 2006/54/EC;

HAVING REGARD to the National Collective Bargaining Agreement of the "Education and Research" sector 2016-2018 signed on 19 April 2018, with particular regard to Articles 83 and 84;

HAVING REGARD to Regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 2016 on the protection of natural persons with regard to the processing of personal data and on the free movement of such data, and repealing Directive 95/46/EC *"General Data Protection Regulation"* on the protection of data published in the European Official Journal of 4 May 2016 and entered into force as of 25 May 2018;

HAVING REGARD to Decree-Law No. 80 of 9 June 2021 containing provisions related to *"Urgent measures to strengthen the administrative capacity suitable for the implementation of the National Recovery and Resilience Plan (PNRR) and for the efficiency of justice"*, converted with amendments by Law No. 113 of 6 August 2021;

HAVING REGARD to Decree of the Ministry of University and Research No. 1233 of 10 November 2021 on the establishment of a MUR-MiSE steering committee on the activities related to the initiatives of Mission M4C2 'From Research to Enterprise' of the National Recovery and Resilience Plan;

HAVING REGARD to Ministerial Decree No. 1314 of 14 December 2021, containing *"Provisions for the granting of financial subsidies"*, issued by the MUR in implementation of the above-mentioned reform 1.1 of M4C2;

HAVING REGARD to the cross-cutting principles set out in the PNRR, such as, inter alia, the principle of contributing to the climate and digital objectives, the principle of gender equality and the obligation to protect and empower young people;

HAVING REGARD to the obligation to ensure that the milestones, targets and financial objectives set out in the PNRR are achieved;

HAVING REGARD to Directorial Decree No. 3138 of 16 December 2021, by which the Ministry of University finances the creation of 5 (five) National Centers dedicated to frontier research in technological fields consistent with the priorities of the European Research Agenda and the contents of the National Research Plan 2021-2027 (PNR 2021-2027);

HAVING REGARD to Resolution No. 28/2022 of 8 February 2022 concerning the "Approval of Expressions of Interest for the participation of the National Research Council of Italy in the submission of "proposals for the improvement of research facilities and the creation of 'national samples' for research and development on specific key enabling technologies" - National Centers – pursuant to the MUR Notice published by Directorial Decree No. 3138 of 16 December 2021;

HAVING REGARD to MUR Directorial Decree No. 548 of 31 March 2022 Public Notice for the submission of Proposals for the improvement of research facilities and the creation of " R&D national samples" - PNRR - MUR - Phase 1 - Decree approving the ranking list of project proposals by which the following project proposals were admitted to Phase two and to the subsequent negotiation phase - National Centre for

HPC, Big Data and Quantum Computing - National Research Centre for Agricultural Technologies (AgriTech) - National Centre for Gene Therapy and Drugs based on RNA Technology - Sustainable Mobility Centre (CNMS) - National Biodiversity Future Centre (NBFC);

HAVING REGARD to the MUR Directorial Decree No. 1053 of 23 June 2022 providing funding for the implementation of Project PRR.AP006.002 - RAISE "Robotics and AI for Socio-economic Empowerment" Spoke 1 - Urban Technologies for Inclusive Engagement – Sub-project PRR.AP006.002.004 - CUP B33C22000700006 - scope of intervention "4.Digital, Industry, Aerospace", application for facilitation with identification code ECS00000035;

HAVING TAKEN NOTE that the costs related to the fixed-term recruitment will be financed by the funds allocated for the aforementioned Project - SIGLA Contract Directory No. 19600/2022, revenue assessment decree protocol No. 0093767/2022 of 21 December 2022, registered in the SIGLA accounting system with No. 10230/2022, budgeted with variation to the Management Plan No. 6028/2022 protocol number 0093772/2022 of 21 December 2022;

HEREBY PROVIDES AS FOLLOWS

Article 1

Available positions - Activity programme

A public selection based on qualifications and an interview is announced pursuant to article 8 of the "*Regulations concerning the hiring of personnel with a fixed-term employment contract*" for the recruitment, with a fixed-term employment contract pursuant to article 83 of the CCNL (National Collective Bargaining Agreement) of the "Education and Research" Sector 2016-2018, signed on 19 April 2018, of one staff member with **Level III Researcher** professional profile, entry-level salary range, with the Construction Technologies Institute (ITC) of the CNR – headquarters of San Giuliano Milanese (MI), Italy for the performance of scientific-technological research activities within the scope of the project mentioned in the introduction on the following subject: "Performance evaluation of HVAC and electrical storage systems for the energy management of high-performance buildings: conduction of energy simulations, preparation of experimental monitoring setups and definition of automation and control logics".

Article 2

Admission requirements

1. Requirements for admission to the selection:
 - a) Master's Degree or Specialized Degree, or degree under the old system in Energy Engineering (LM-30) or Mechanical Engineering (LM-33) or Automation Engineering (LM-25) or Building Engineering-Architecture (LM-04) or Building Systems Engineering (LM-24); or University Degree under the old system equivalent to the above-mentioned degree classes, pursuant to Interministerial Decree 9/7/2009 and its subsequent supplements. Degrees declared equivalent by current regulations will also be admitted.

For degrees obtained abroad, non-academic recognition is required in accordance with the procedure set out in article 38 of Legislative Decree No. 165/2001, in the manner set out in article 2 of the Decree of the President of the Republic No. 189/2009, as amended by article 1 paragraph 28-quinquies of Law No. 15/2022. The candidate who does not yet own the official recognition of the

foreign qualification must declare in the application form that he/she has submitted the relevant request. In this case, the candidate will be admitted to the selection subject to presentation of such recognition before the employment contract is signed;

- b) At least three years of experience in the evaluation of the performance of HVAC systems both through energy simulations and through the setting up of experimental setups for energy-environmental monitoring, in performance evaluation of systems powered by renewable sources and electrical storage systems, in the definition of automation and control logics for the energy management of high-performance buildings (Zero-Energy Buildings) or possession of a Research Doctorate or PhD degree relevant to the experience required;
- c) Knowledge of English.

Article 3

Application form and deadlines for submission

1. The application form must be completed and submitted exclusively via the Internet, using the IT application available in the selection area of the CNR website at <https://seleziononline.cnr.it>, following the instructions specified in article 4 below.
No other form of production or mode of submission of the application is allowed, under penalty of exclusion.
2. The deadline for submitting the application is 30 days starting from the day after the day of publication of the notice on the InPA (Public Administration) Recruitment Portal.
The application received on the last working day by 18:00 is considered to have been submitted within the deadline. The date of submission of the application to participate in the procedure is certified by the computer system that, upon expiry of the deadline for submission, will no longer provide access to the procedure.
3. In the application form, candidates shall declare the following under their own personal responsibility:
 - ✓ surname and name, date and place of birth;
 - ✓ residence and tax code;
 - ✓ citizenship;
 - ✓ if Italian citizens, the municipality in whose electoral rolls they are registered;
 - ✓ if foreign citizens, confirmation that they enjoy full rights as citizens in their country of origin (with the exception of candidates with refugee status or subsidiary protection status);
 - ✓ that they have no criminal convictions and that they have no pending criminal proceedings against them; otherwise, the candidates must indicate any criminal convictions reported even if not yet *res judicata* as well as any pending criminal proceedings, specifying the details of the sentence, plea bargaining or granting of amnesty, remission or legal pardon, the authority that issued the measure and the title of the offence; the declaration must in any case be made, even if negative;
 - ✓ the degree held, including the full wording appearing on the degree, the degree award date, and the degree awarding University or Institution;
 - ✓ that they have the experience required in article 2, letter b);
 - ✓ any need for auxiliary aids during the examination tests according to the specific disability requirements;

- ✓ any services provided to Public Institutions and possible grounds for termination of such services;
 - ✓ that they have not been dismissed or laid off by a public authority due to persistent poor performance and have not been dismissed from any other public employment for having obtained employment by producing false or irreversibly null and void documents; furthermore, that they have not been disqualified from public office based on *res judicata*;
 - ✓ that, in case of equal merit pursuant to article 9 of this announcement, they can provide qualifications as a plus-asset;
 - ✓ for foreign citizens only: to have adequate knowledge of the Italian language;
 - ✓ the candidate's personal certified e-mail address (PEC), or, for foreign candidates, his/her ordinary e-mail address;
 - ✓ telephone number.
4. Communications relating to this procedure will be sent to the candidate's personal PEC (certified e-mail) address; if the personal PEC address is not specified, the ordinary e-mail address will be used; in the latter case, the candidate is directly responsible for any non-delivery of communications. CNR assumes no responsibility for inaccurate information regarding the candidate's address or from failure to communicate or late communication of change of the certified e-mail address and/or ordinary e-mail address indicated in the application.

Article 4

Procedure for submission of the application

1. Applications shall be submitted as follows (also using the "User Manual" available in the Online Selections procedure under "Altro" ("Other")):
 - a) register to obtain access credentials that will be communicated to the e-mail address indicated by the candidate: to register, use the link [Nuova registrazione](#) (New registration). Applicants who have already participated in a previous selection on this website do not need to make a new registration. For more information, see the section "Accesso/registrazione in procedura" (Access/registration procedure) of the User Manual, while, for assistance, use the Helpdesk service;
 - b) fill in the application form;
 - c) attach *curriculum vitae et studiorum* in PDF format, including all the substantial and formal information relating to the qualifications to be submitted for the evaluation of the Selection Commission,
 - d) attach copy of a valid and duly signed ID document in PDF format;
 - e) print the form (*automatically filled in by the system with the master data entered by the applicant when entering the application*) concerning the personal self-certification declarations or statutory declarations, pursuant to articles 46 and 47 of Decree of the President of the Republic No. 445 of 28 December 2000; enter your original hand-written signature and either attach the form in PDF format or insert the form signed in digital format;
 - f) print the form (*automatically filled in as in the previous case*) concerning the information on the processing of personal data pursuant to EU Regulation No. 2016/679, enter your original hand-written signature and either attach the form in PDF format or insert the form signed in digital format;
 - g) complete the application by confirming it, to enable the system to generate the receipt.

2. The IT system issues a receipt of successful submission of the application. The applications that are not definitively confirmed in the procedure, as indicated in paragraph 1 letter g), remain in a provisional state and are therefore void.

Article 5 Selection Commission

1. The Selection Commission, appointed by the Director of the Construction Technologies Institute (ITC) of the CNR is composed according to the provisions of articles 5 and 7 of the "*Regulations concerning the hiring of personnel with fixed-term employment contracts*" of 2005, as well as by Resolution No. 142/2021; namely, it is composed of three standing members, of which at least one is an external member, and two alternate members; the external member is assigned the role of Chairman of the Commission.
2. The decree of appointment of the Commission is published on the CNR website page at the addresses <https://www.urp.cnr.it/> and <https://selezionionline.cnr.it>.
3. Any changes in the legal status that may occur after the appointment shall not affect the role of the Commissioner.
4. The Commission shall conclude the procedure within three months of the date of the first meeting. By his own provision, the Director, as referred to in paragraph 1, may extend the aforementioned term only once and for no more than two months. Failure to comply with this deadline must be collectively justified by the Selection Commission with a reasoned report to be addressed to the Director himself.

Article 6 Curricula – Self-declarations

1. Pursuant to article 15 of Law No. 183 of 12 November 2011, it is forbidden to exhibit to public administrations and private managers of public services, certificates concerning personal statuses, facts and personal qualities, which are therefore always replaced by personal self-certification declarations or statutory declarations pursuant to articles 46 and 47 of the Decree of the President of the Republic No. 445 of 28 December 2000.
2. Candidates must attach the *curriculum vitae et studiorum* and the declarations referred to in paragraph 4 below.
3. It is the responsibility of the candidate to include in the curriculum all the information necessary for the evaluation of qualifications, such as for instance: references of the document (date, identification number, if present), natural or legal person that issued the document, as well as the curriculum vitae itself containing useful information for evaluation purposes, such as: nature and duration of the assignment and/or activity carried out, functions, experience gained, role played by the candidate, etc.
The Commission shall not take into consideration any information included in the curriculum vitae without the elements useful for the evaluation.
4. The candidate must attach the form relating to personal self-certification declarations or statutory declarations, referred to in the aforementioned legislation, together with a photocopy of a valid identification document with legible signature, as indicated in article 4 of the announcement.
5. The personal self-certification declarations foreseen for Italian citizens also apply to citizens of the European Union. Citizens of third countries may use personal self-declarations only in cases where it is a matter of proving personal states of affairs, facts and qualities that can be certified or attested by Italian public or private entities, or in cases where the production of such declarations takes place in implementation of international conventions between Italy and the registrant's country of origin.

6. The Administration carries out appropriate checks on the veracity of the content of the personal self-certification declarations pursuant to article 71 of the Decree of the President of the Republic No. 445/2000.

Article 7 Exclusion

1. Below are the reasons of official exclusion:
 - a) submission of the application and related attachments in ways other than those indicated in article 4;
 - b) lack of the requirements indicated in article 2;
 - c) also excluded are those who have been banned from public offices and those who have been dismissed or excluded from employment in a Public Administration due to persistent poor performance or have been declared excluded from state employment, pursuant to article 127, paragraph 1, letter d) of the Presidential Decree 10 January 1957, No. 3, as well as those who have been dismissed due to disciplinary reasons in accordance with the national collective bargaining agreements of the Public Administration in force.
2. Provisional admission is in any case granted to those candidates who are not excluded.
3. The person responsible for the procedure may order at any time the exclusion of a candidate from the selection if the envisaged requirements are not met. If the reasons for the exclusion are ascertained after the completion of the selection procedure, the aforementioned person responsible for the procedure shall forfeit any right resulting from participation in the procedure itself; candidates shall also be excluded if one of the declarations provided in the application for participation in the selection or the declarations made pursuant to the Decree of the President of the Republic No. 445/2000 prove to be untrue.

Article 8 Qualifications and interview

1. The Commission adopts the criteria of evaluation before examining the documentation submitted by the candidates. The criteria will also be geared towards achieving gender equality objectives.
2. The evaluation of qualifications and the interview is made by Selection Commission based on a 90-point score, broken down as follows:
 - a) qualifications 30 points;
 - b) interview 60 points.Score is allocated by the Commission based on an overall reasoned judgment. In order to pursue the objectives expected by the PNRR in terms of effective achievement of gender equality, while evaluating the Curriculum Vitae, the Commission will take into account periods of work inactivity or absence due to maternity or parental leave.
Candidates who have achieved a score of not less than 21/30 in the examination of qualifications are admitted to the interview.
3. The admitted candidates will receive the call for interview, together with the indication of the score obtained in the evaluation of the qualifications, at their PEC (certified e-mail) address at least twenty

days before the day of the interview; CNR assumes no responsibility for any disruptions in the network connection.

4. Candidates must show up for the interview taking with them a valid identification document. The interview, aimed at verifying that the candidates have the required aptitude and professional requirements in relation to the position to be filled, will focus on professional activities and/or experiences in the field of competences indicated in article 2 letter b) and can be conducted either in Italian or in English.
5. To pass the interview, candidates must obtain a score of not less than 42/60.
6. At the end of the interview session, the Selection Commission draws up the list of candidates specifying the scores obtained in this test by each candidate; the list, signed by the President and the Secretary of the Commission, is posted on the same day on the notice board of the examination venue.
7. The Administration reserves the right to carry out the oral examination via video conference, using IT and digital tools, while ensuring the adoption of technical solutions that ensure its advertising, and the identification of participants, as well as the safety of telecommunications and their traceability; detailed information regarding the conduct of the examination using electronic means will be published on the CNR institutional website and on the online selection platform and each candidate will be notified accordingly.

Article 9

Regularity of the records

Approval of the ranking list and winner announcement

1. The Director, within thirty days of the date of delivery of the records of the selection by the Commission, after verifying that the person responsible has conducted the procedure in a regular way, approves the merit ranking by his own provision and formally announces the winner.
2. If the person responsible for the procedure finds any formal defects, he shall send the records of the selection back to the Commission for their regularization, setting a deadline.
3. The ranking is drawn up according to the order of the points of the overall vote obtained by each candidate, considering, where points are equal, the plus-assets provided for by article 5 paragraphs 4 and 5 of the Decree of the President of the Republic No. 487/94, as amended by article 2, paragraph 9 of Law No. 191/98, declared by the candidate and certified by personal self-certification declarations or statutory declarations pursuant to articles 46 and 47 of the Decree of the President of the Republic No. 445/2000, upon submission of the application form.
4. The provision indicated in paragraph 1 is published on the internet at the website addresses <https://www.urp.cnr.it/> and <https://seleziononline.cnr.it/>; notice of such publication will be given in the Official Journal of the Italian Republic - 4th Special Series Competitions and Exams.

Article 10

Contractual terms

1. The individual fixed-term employment contract, pursuant to article 83 of the CCNL (National Collective Bargaining Agreement) of the 2016-2018 "Education and Research" Sector, signed on 19 April 2018, will have a **24 (twenty-four) month duration**, extendable up to the duration of the project.
2. If, pending completion of the selection procedure, circumstances of a regulatory, organisational or even financial nature should prevent recruitment, the Administration reserves the right not to proceed with the recruitment or to defer it.

3. The employee with a fixed-term employment contract will receive the entry-level salary set out in the current National Collective Bargaining Agreement, corresponding to the salary granted to the CNR personnel belonging to the profile and level for which the selection is announced.
4. Based on the provisions of article 55 quater of Legislative Decree No. 165/2001 and subsequent amendments and additions, if forged documents are submitted or false statements are made in order to secure employment or following the establishment of the employment relationship, the disciplinary sanction of dismissal without notice applies.

Article 11

Financial coverage and suspension clause

1. The position under this announcement is financed, inter alia, from the resources allocated in the National Recovery and Resilience Plan (PNRR). In this regard, the Administration reserves the right not to proceed with the recruitment indicated in the call if the related funding is not confirmed. The stipulation of the contract with the winners of the selection procedures and their actual employment are in any case conditional on the approval of the respective funding.

Article 12

Processing of personal data

1. The personal data provided by the candidates are processed for the purposes of managing this announcement, including the possible use of the merit ranking and for the subsequent possible establishment of the employment relationship, and for other purposes compatible with this selection procedure, as specifically indicated in the information contained in the form indicated in article 4 paragraph 1, letter f) of the announcement.
2. The data will be processed by the Consiglio Nazionale delle Ricerche - Piazzale Aldo Moro, 7 - 00185 Rome, as Data Controller, in accordance with EU Regulation No. 2016/679 and Legislative Decree No. 196/2003. The contact point of the Data Controller is the Director of the Institute that issued the call for applications, whose contact details are: (e-mail address: direttore@itc.cnr.it, certified e-mail address: protocollo.itc@pec.cnr.it, address: *ITC-CNR, Via Lombardia 49, 20098 San Giuliano Milanese (MI)* – Italy.
3. Data supply is mandatory for the purposes of assessing the participation requirements, under penalty of exclusion from the competition.
4. The party concerned has the rights specified in article 15 and following articles of EU Regulation No. 2016/679, as specified in the information contained in the form indicated in paragraph 1, which can be exercised in the ways indicated in the same form.

Article 13

Access to records

1. Pursuant to Law No. 241 of 7 August 1990 and subsequent additions and amendments, the right of access to the records of the selection procedure is exercised in the manner set out in article 10 of the organizational provision No. 22 of 18 May 2007, as supplemented and amended by provision No. 62 of 8 November 2007 (available for consultation on the CNR website www.cnr.it in section "utilità"), with the limitations set forth in article 12 of the same provision.

2. Requests for access to the records will be published in the competitions area at the aforementioned address.
3. Such publication fulfills all obligations of communication to the interested parties pursuant to the aforementioned law. CNR is therefore not required to notify the participants individually.

Article 14

Person responsible for the procedure

The person responsible for the procedure, appointed in accordance with article 13 of the "*Regulations concerning the recruitment of personnel with fixed-term employment contracts*", is **Mr. Paolo Cardillo** – profile CTER level IV, e-mail address: paolo.cardillo@itc.cnr.it, telephone number: +39 02 9806405.

Article 15

Publication and dissemination of information

1. This announcement is published in the Institutional website of the Consiglio Nazionale delle Ricerche: <https://www.urp.cnr.it> (Sezione Lavoro e Formazione - Job and Training Section) and in the CNR online selection system <https://selezionionline.cnr.it>).
2. The notice of the announcement is published on the InPA (Public Administration) Recruitment Portal.

Article 16

Final provisions

For all matters that are not expressly provided for in this call, the provisions of the legislation cited in the premises of this call, as well as the laws in force on the subject, are valid as applicable.

The Acting Director
Dr. Eng. Antonio Bonati