

ANNOUNCEMENT OF PUBLIC SELECTION FOR 2 FIXED-TERM RESEARCHERS (Italian law 30 December 2010, no. 240, art.24, par. 3, letter a)

National Plan for Recovery and Resilience (PNRR) – extended Partnership of the Research and Innovation Plan titled
“National Quantum Science and Technology Institute (NQSTI)”

Description

The Scuola Normale Superiore announces a selection for the recruitment of 1 fixed-term researcher under art. 24, par. 3, letter a) of the Law 240/2010, engaged on the basis of a full time appointment for a three-year term and by the stipulation of a private-law employment contract, to carry out research activities, teaching activities, supplementary teaching activities and tutoring to students, in the

Academic recruitment field: 02/B1 - EXPERIMENTAL PHYSICS OF MATTER

Academic discipline FIS/03 – PHYSICS OF MATTER

Research programme covered by the contract, as part of the extended partnership project "National Quantum Science and Technology Institute" (NQSTI): the fabrication, electrical characterisation and modelling of solid state devices for the creation of electron configurations of interest for quantum sciences and technologies.

Supervisor: Professor Fabio Beltram

Research activities: The research activity to be carried out, which falls within the NQSTI extended partnership project, will concern topics relevant to the s.s.d. FIS/03, with particular reference to electronic systems implemented in the solid state of interest for quantum sciences and technologies regarding their fabrication, modelling and electrical characterisation also at very low temperatures and/or high spatial resolution. Of particular interest are the superconductor/normal hybrid architectures in the case of multibody emergent states and of innovative normal nanostructured systems. The selected researcher's tasks of teaching, supplementary teaching and services to students will involve giving lectures and practicals and any teaching support, principally within the goals of the NQSTI extended partnership on the foundations and applications of quantum sciences and technologies in accordance with the specifications of the plans laid out by the competent academic bodies on a yearly basis, subject to the reporting rules of the NRRP extended partnerships.

Duration of the contract: 3 years.

Remuneration: the annual remuneration will be the same as the starting remuneration for confirmed researchers, corresponding to an annual gross compensation of € 36,839.00.

Deadline for applications: **7/12/2023 at 04:00 PM (Italian time)**

General information about the selection procedure can be found below. Candidates are invited to review the official announcement (*Bando*) and to follow exclusively its detailed instructions should they decide to apply.

Requisites

The selection procedure is open to Italian and non-Italian applicants who have completed in Italy or abroad a PhD in Physics, Engineering

Additional competence and/or experience relevant to the choice of the researcher: knowledge of English language.

Applications cannot be invited from:

- a) those who do not enjoy civil or political rights;
- b) those who have been excluded from the active political electorate or who have been dismissed from or relieved of their public administration position because of unsatisfactory performance, or who have been declared as having forfeited any other state employment, in accordance with Art. 127, letter d) of the T.U. (Unified Law), approved by President of the Republic's Decree (D.P.R.) No. 3 of 10/1/1957, for having obtained the position by submitting false or altered non-curable invalidity documents, or who have been dismissed from their position with a public administration for disciplinary reasons;
- c) those who have incurred penal sentences incompatible with the status of public employee, which would lead to the university institution that has announced the call to dismiss them from the position in accordance with Art. 127, first para., letter d) of the Testo Unico (Unified Law) of the regulations concerning the statute of State civil employees, issued with D.P.R. No. 3 of 10/1/1957;
- d) those who have not fulfilled their military service obligations (if applicable);

- e) full or associate university professors and university researchers already permanently employed at an Italian university, even if the employment has been terminated;
- f) candidates who have had fixed-term contracts as research fellow or researcher as provided in Arts. 22 and 24 of Italian Law 240/10 (in the text in force before the entry into force of Law no. 79/2022) at the Scuola or at other Italian universities, whether public, private or online, or bodies under Par. 1 of Art. 22 of Italian Law 240/10 for a period which, including the intended duration of the current selection, exceeds a total of twelve years, even if not continuing;
- g) pursuant to art 18 paragraph 1 letter C) of L.240/2010 candidates who have a family relationship or affinity, up to the fourth degree, with
 - the Director,
 - the Secretary General,
 - a professor of the Academic Senate or
 - a member of the Executive Council of the Scuola
 - the funder of the position

In addition, the professors of the Academic Senate, the General Secretary, the members of the Executive Council, the funder of the position at the publication of the recruitment resolution or at any later moment up until the appointment of a fixed-term researcher - cannot participate in the selection process nor be awarded the contract.

How to apply

Candidates with all the aforementioned requisites who wish to participate in the selection process must submit their application exclusively online, using the online dedicated PICA procedure at the following link: <https://pica.cineca.it/sns>

The PICA app can be accessed via SPID, by choosing the institution “Scuola Normale Superiore” from the page of available federations; alternatively, the procedure will necessarily require an e-mail address in order to register into the system.

Once identified/registered and once procedure relating to this selection has been accessed, they must also upload as attachments, through the online PICA procedure, exclusively in PDF format:

- a) their scientific-professional CV, using the form that will be made available through the online PICA procedure;
- b) a non-authenticated photocopy of a valid identity document;
- c) a list of the publications that they intend to submit for evaluation purposes, within the limit of 12 as specified in the call (including the PhD thesis if submitted), using the form that will be made available through the online PICA procedure;
- d) a copy of the publications specified in the list referred to in letter c) above, within the limit of 12 as specified in the call; each publication must occupy a space of not more than 30 megabytes;
- e) any qualifications, within those declared in the CV, and/or documents proving them, that they intend to submit.

Until the deadline for the submission of applications, the procedure can save any data inserted in draft mode, enabling their modification and/or integration.

By the established deadline, applications for participation in the selection must be filled in definitively in all their parts, signed, on pain of exclusion, in one of the modes indicated by the online procedure, and submitted – together with all the attachments – by means of the same online procedure.

No signature will be required when submitting the application only if the SPID is used to access procedure.

The date of online submission will be certified by the PICA procedure; candidates will be notified of the receipt of their applications and their subsequent registration by means of two separate e-mail messages. Each application will be attributed a separate identification number (application ID) and a registration number, both visible inside the application; the application ID must be used, together with the call code **23-RTDA-FIS0302B1-15**, for any subsequent communications.

Once applications have been submitted online and the confirmation of the online PICA procedure has been received, it will no longer be possible to access them in order to modify them; they may only be withdrawn using the function “ritira/Withdraw” on the initial page of the procedure. Candidates can, however, submit a new application. After the deadline for submission, the online procedure will no longer permit access or the online transmission of applications. Please note that the online procedure may undergo temporary suspensions for technical reasons.

No other form of transmission of applications and/or documentation for participation in the selection is allowed other than those indicated above. Solely in the case of proven and certified technical unavailability of the online PICA procedure, the Scuola reserves the right to accept admission applications and/or supporting documentation submitted in other modes, provided they are transmitted before the call deadline.

Qualifications submission procedure

- European citizens may prove that they have the necessary qualifications to be submitted for evaluation simply by posting their application and their CV by means of the online PICA procedure. Candidates attest to the

veracity of what is stated in their application and in their CV and to the conformity to the original of the documents attached in compliance with Arts. 46 and 47 of D.P.R. No. 445 of 28th December 2000, in the section relating to declarations of responsibility of the online PICA procedure for the submission of applications.

- Non-EU citizens with a regular residence permit may submit a self-certification affidavit only when it is necessary to provide proof of status, facts or personal qualities certifiable or confirmable by Italian public agencies, without prejudice to the special dispositions of the laws and regulations concerning immigration and the rights of foreign citizens, under art. 3 of Presidential Decree No. 445/2000.
- Non-EU citizens can submit a self-certification affidavit also in those cases when the production of self-executed certificates takes place under international agreements between Italy or the European Union and the applicant's country of origin.

Other than in the above mentioned cases, for non-Italian citizens the state, personal qualities and facts stated in their CV are proved by loading the online PICA procedure for the qualifications in PDF format or of the relative certificates/attestations issued by the competent authorities of the non-Italian State in question. The commission may ask to see the originals of the said documents at the discussion of the candidate's qualifications and scientific production; in any case, the Administration reserves the right to request the originals should the candidate be hired.

Documentation in foreign languages:

Qualifications and documents in English, French, German and Spanish can be submitted in their original language. All the qualifications and documents in any other language must be submitted together with a translation into Italian, English, French, German, or Spanish. The translation must be authenticated by law with certification of conformity with the original.

No reference may be made to documents submitted to this or other administrations or to documents attached to the application forms of other selection procedures.

Contact details for further information

- For further administrative information about the application procedure and the relative documentation, or about the selection process itself, please contact the Servizio Amministrazione del Personale (e-mail gestione.personale@sns.it).
- For any technical problems, candidates must use exclusively the link "Per problemi tecnici contatta il supporto" - "For technical problems contact the online help desk" - visualised in the section at the foot of the page of the web site <https://pica.cineca.it/sns/>.