



Excerpt from the Rector's decree n. 1128/2023

### **Call for the selection of n. 2 Junior Research Fellows**

(Under the Italian Law 240/2010 article 24, subparagraph 3, point a)

The University of Pisa announces a call for 2 Junior Fixed-Term Research Fellows for the Department and the Academic Fields or Academic Disciplines as listed in Annex A.

The fixed-term contract is to carry out research activities, teaching, integrative teaching activities and services for students, for a 350 hours commitment, on a full-time basis.

The Junior Research Fellow is required to perform lectures for a minimum of 36 up to a maximum of 60 hours per academic year, allocated as an institutional assignment for Bachelor's and Master's degree programs, Specialization Schools and PhD programs. It is possible to provide a further derogation up to a maximum of 72 hours, in order to avoid an excessive partitioning of teaching modules.

Contract duration: 3 years

**Deadline for application: 25<sup>th</sup> of August 2023, 1 p.m.**

### **Admission requirements**

PhD or equivalent academic qualification awarded in Italy or abroad and recognized as eligible for admission.

As for a qualification awarded abroad, equivalency or comparability documentation has to be provided as stated under:

D.Lgs.165/2001, article 38:

[http://www.funzionepubblica.gov.it/sites/funzionepubblica.gov.it/files/modulo\\_equivalenza\\_Titoli\\_Accademici.pdf](http://www.funzionepubblica.gov.it/sites/funzionepubblica.gov.it/files/modulo_equivalenza_Titoli_Accademici.pdf)

Or under:

D.P.R. 382/1980, article 74:

<https://www.unipi.it/index.php/titoli-accademici-esteri>

As for an equivalent or comparable academic qualification, the candidate shall be admitted within the application's deadline and shall provide the qualification equivalency or comparability before the signing of the contract.

No admission to this selection for:

- Professors or Research Fellows with permanent position at the university, currently employed or currently retired.

- Fixed-term Research Fellowship or Post PhD research grants at the University of Pisa or other Italian universities, either public, private or online, and other public institutions (Under the Italian Law Italian Law n. 240/2010, articles 22 and 24) for a period that, totaled over this contract, would exceed 12 years altogether, even when not consecutive. As for the duration of the working period mentioned above, parental leave or medical leave, are excluded (under the existing legislation).

### **Applications**

Applications are to be submitted online only, using the following link: <https://pica.cineca.it/unipi/ric2023pnrrcn1-III/> or shall be invalid. It is necessary to have an email address to login and complete the application.

Applicants should fill in all the required data and upload all documents in PDF format.

The system allows saving a draft of the application within the application deadline. The system will register the online application date and send a receipt with an automatic e-mail reply. After deadline, the system will not allow login nor application submission.

In order to be valid, application shall include all the required data, applicant's signature and a valid identification document.

Each application will be assigned a tracking number to be cited in all subsequent communications, together with the selection code provided by the application form.

Applicants undertake to communicate in writing any variations of what declared in the application form.

The communication shall be edited in PDF format, signed and forwarded to the University of Pisa Rector via the Italian certified e-mail system address (P.E.C. Posta Elettronica Certificata): [protocollo@pec.unipi.it](mailto:protocollo@pec.unipi.it) or via e-mail at: [concorsi@adm.unipi.it](mailto:concorsi@adm.unipi.it). Applicant's valid identification document shall be annexed.

For further information on application submission, please refer to [concorsi@adm.unipi.it](mailto:concorsi@adm.unipi.it)

For any IT malfunctioning please refer to [unipi@cinca.it](mailto:unipi@cinca.it).

Applications shall be completed with the following annexes:

1. A self-attested Curriculum of the personal didactics, teaching and scientific activities, dated and signed;
2. The Publications applicant considers eligible for this selection with the corresponding list dated and signed;
3. A complete list of all Publications, dated and signed;
4. A copy of the fiscal code (if applicable) and identification card/passport, dated and signed;

All publications should not exceed 30 megabyte and are to be submitted in PDF format only, using the specific section of the application form.

### **Selection procedure**

A Rector's Decree will appoint the Selection Committee, consisting of three members.

The selection will be made according to a preliminary assessment of the candidates with an accurate and evidenced analytic evaluation of the Curriculum, of qualifications and scientific results, including PhD thesis.

After the preliminary assessment, the candidates that have comparatively proven to be the most meritorious, will be admitted to an open interview; they will represent between 10 and 20 % of the total

and will be not less than six. The interview will concern applicant's qualifications and scientific results. In the event the number of applicants is six or less, all candidates are admitted.

Information about date, time, list of candidates admitted, and the conditions of the assessment interview will be published on the University website at the following link: <https://bandi.unipi.it/public/Bandi?type=RIC>, in the specific section reserved to the selection, on the 5<sup>th</sup> of September 2023 (with a twenty days' notice guarantee).

The publication on the University website is to be regarded as convocation notice for the participants to the selection, who must show the day and time indicated; no further communications will be published. The failed attendance to the interview will be considered as a voluntary waiver to the selection.

Selection Committee meetings for purposes other than qualifications and publications assessment may be held remotely, in whole or in part, using a video meeting platform, in compliance with the Regulation "Regolamento temporaneo per lo svolgimento delle sedute collegiali in modalità telematica" art. no. 2,3 and 4, referred to in the Rectoral Decree no. 491/2020 of 6 March 2020 and subsequent amendments, as well as with the Rectoral Decree no. 1099/2020 of 7 August 2020, art. 3.

Qualifications and publications assessment will be held "in-presence", pursuant to the Rectoral Decree no. 1099/2020 of 7 August 2020, art. 1, and in compliance with the "Safety Protocol against Covid-19 Spread. Guidelines for in-presence Selection Procedures", issued by the Rectoral Decree no. 1011/2020 of 21 July 2020.

At least one member of the Selection Committee shall be present during the qualifications and publications assessment; the other Committee members can attend the selection procedure either "in-presence" or remotely, in compliance with the Regulation "Regolamento temporaneo per lo svolgimento delle sedute collegiali in modalità telematica".

In the event of "in-presence" selection procedures also attended remotely by one or more Committee member, it shall be specified that the session is held "in-presence", allowing however one or more Committee member to attend remotely and indicating the possible operating procedures for attendance; the selection minutes must include both the names of the members "in presence" and remotely connected, along with the operating platform used.

In order to ensure a limited access to the premises where the qualifications and publications assessment is carried out, auditors shall be allowed in (in compliance with the aforementioned Safety Protocol) only upon written request to be emailed at least two days before the selection procedure to [concorsi\\_ricercatori@unipi.it](mailto:concorsi_ricercatori@unipi.it). Live Streaming will be provided at <https://www.unipi.it/index.php/concorsi-gare-e-bandi> (see the relevant section) to guarantee the publicity of the qualifications and publications assessment.

Upon the Selection Committee approval, candidates living abroad and therefore unable to attend the "in-presence" interview at the University of Pisa, will be interviewed via web, prior their identification by approved international universities or research centers. The Selection Committee is appointed to assure the duly examination of the candidates and shall collect their ID copy.

Please note that the English version is given as a matter of courtesy, for the only purpose of information. It cannot be legally used in the event of a dispute or a claim arising from the interpretation of this translation and concerning the contents, a possible uncertainty, contradiction or discrepancy. Should this occur, the Italian version of the call shall prevail as the only valid. For full Italian text see: <https://bandi.unipi.it/public/Bandi?type=RIC>

**Selection code A1**

Department of Information Engineering

Academic Recruitment Field 09/E3 Electronics

Academic Discipline **ING-INF/01** Electronic Engineering

n. of available positions: 1

**Progetto PNRR Centro Nazionale 1 “Centro Nazionale per Simulazioni, calcolo e analisi dei dati ad alte prestazioni”, Spoke 6 “Multiscale Modeling and Engineering Applications HPC - Posizione 2.**

Focus of research

Research activity on topics related with the Academic Discipline ING-INF/01 - Electronics, with special focus on Model-based design of HW/SW electronic systems for control and monitoring applications.

Scientific productivity

Publication of papers in qualified international journals; participation to international conferences; involvement in national and international research projects.

Head office

Department of Information Engineering

Teaching activity of the contract

Teaching activities on topics related with the scientific sector ING-INF/01 - Electronics. Management of teaching activities and projects.

Candidates may present a maximum number of 12 scientific publications.

Candidates will be required to demonstrate an adequate knowledge of English language.

## Selection code A2

Department of Energy, Systems, Territory, and Construction Engineering

Academic Recruitment Field 09/E1 Electrical Engineering

Academic Discipline **ING-IND/31** Electrical Engineering

n. of available positions: 1

**Progetto PNRR Centro Nazionale 1 “HPC, Big Data and Quantum Computing” (Simulazioni, calcolo e analisi dei dati ad alte prestazioni)”, Spoke n. 6 “Multiscale Modeling and Engineering Applications HPC.**

### Focus of research

Research activity pertaining to the declaration of the Academic Discipline ING-IND/31 "Electrical Engineering", with particular reference to the activities envisaged by the PNRR CENTRO NAZIONALE CN1 “HPC, Big Data and Quantum Computing (Simulazioni, calcolo e analisi dei dati ad alte prestazioni)” with special reference to the simulation/development of electromagnetic devices at low frequency, multi-degree-of-freedom and also with the use of special materials (smart materials, etc.).

### Scientific productivity

Research activities with publications and scientific contributions to national and international conferences and journals, participation to national and international projects and/or technology transfer activities on the topics described in the PNRR CENTRO NAZIONALE CN1 “HPC, Big Data and Quantum Computing (Simulazioni, calcolo e analisi dei dati ad alte prestazioni)” with special reference to the simulation/development of electromagnetic devices at low frequency, multi-degree-of-freedom and also with the use of special materials (smart materials, etc.).

### Head office

Department of Energy, Systems, Territory, and Construction Engineering

### Teaching activity of the contract

The researcher will have to carry out teaching activities, including face to face teaching activities, as part of the teachings in disciplines of the SSD object of the call. The researcher will also be required to contribute to tutoring activities in the development of degree and doctoral theses.

Candidates may present a maximum number of 12 scientific publications.

Candidates will be required to demonstrate an adequate knowledge of English language.