



Summary of the Rector's Decree n. 367 of May, 31, 2023

CALL FOR APPLICATIONS FOR no. THREE TENURE TRACK - PROBATIONARY ASSISTANT PROFESSOR POSITIONS

The Sant'Anna School of Advanced Studies - Pisa (Sant'Anna School) announces a call for the recruitment of **three tenure-track – probationary, assistant professors** (ricercatori a tempo determinato) with full time temporary contract pursuant to Italian Law no. 240/2010, art. 24 paragraph 3 letter B **in the frame of the Department of Excellence Robotics & I.A. at the Academic Faculty of Experimental and Applied Sciences in the:**

INSTITUTE OF BIROBOTICS

- **One position in the Academic Recruitment Field “BIOENGINEERING” (SC 09/G2) – Academic Discipline “Electronic and Informatic Bioengineering” (SSD ING-INF/06).**

The researchers will have to carry out research activities that are characterized by a quality aligned with international standards in the field of bioengineering, in line with the areas of activity of the Institute of BioRobotics and the objectives of the Department of Excellence in Robotics & Artificial Intelligence.

In particular, the Candidate will have to enhance the activities related to the development of wearable and implantable systems to restore sensory-motor functions in people with disabilities and to the development of innovative algorithms for the analysis of signals taken from the central and peripheral nervous system. The goal is to increase translational activities in bioelectronics and neuroengineering by favoring the connection between pre-clinical and clinical experiments by also enlarging the network of existing collaborations.

COMMUNICATION, COMPUTER ENGINEERING, AND PHOTONICS INSTITUTE (TECIP)

- **Two positions in the Academic Recruitment Field – “TELECOMMUNICATIONS” (SC 09/F2) – Academic Discipline “TELECOMMUNICATIONS” (SSD ING-INF/03).**

The Assistant Professors have to carry out high-quality research according to international quality standards in the field of telecommunications engineering and photonics, in coherence with the areas of activity of the TECIP Institute and the objectives set out by the Department of Excellence in Robotics and AI, in particular to enhance the research capabilities of the following two research areas:

1. Networks and Services, with special focus on the following topics: Optical network softwarization, Network acceleration techniques, AI-based network automation, Optical transport for B5G and 6G mobile radio access, 3D Networking.
2. Microwave Photonics, with special focus on the following topics: photonics for the B5G/6G radio access, Integrated photonics for remote sensing, mm-Wave systems, All-optical processing for B5G/6G systems, Integrated photonics and packaging for space applications.

Candidates can submit no more than 12 publications.

The assistant professors will contribute to teaching activities within the Scuola Superiore Sant'Anna teaching programs (Undergraduate, Master, Seasonal Schools and and Ph.D. students), also delivered in English.

Duration of the contracts: three years.



Terms and conditions of employment: in his third year Assistant Professors who have received from Italian Ministry of University and Research, the appropriate qualification (“abilitazione”) and eligibility for promotion, according to Law no. 240/2010, art. 16, at the rank of Associate Professor or higher, will be evaluated by Sant’Anna School Committee, pursuant Ministerial Decree no. 344/2011, for possible promotion to tenured positions by the end of that period.

Salary: 44.208 € gross per year

Admission Requirements:

Candidates must satisfy the following requirements:

- to hold a PhD or equivalent. If the PhD degree or equivalent qualification has been awarded abroad, candidates must provide the documents which certify that these qualifications are considered equivalent according to the Italian law in force (equipollence/equivalence-recognition of degrees). If candidates do not comply with the requirement while submitting the application, they will be admitted to the selection under condition and, if winners, they have to submit all necessary documents certifying that their qualifications are considered equivalent according to the Italian law in force by the date of the signature of the contract¹.
- to have achieved the Italian appropriate qualification (“abilitazione nazionale”) received by the Ministry of University and Research, according to art. 16 of Law no. 240/2010, at the rank of Associate or Ordinary Professor or to have been employed for at least three years, even if not consecutive, as non tenured assistant professor or as research fellow or as postdoctoral fellow. The contracts, if obtained by Italian Universities, must have been subscribed pursuant to art. 1, paragraph 14 of Law 230/2005 or pursuant to art. 24 paragraph 3 letter a) of Law 240/2010 or pursuant to art. 51 paragraph 6 of Law 449/97 and amendments or pursuant art. 22 of law 240/2010 or pursuant to art. 4 of Law 398/89. Validity and equivalence requirements of contracts obtained by non-Italian Universities will be evaluated by Sant’Anna School Evaluation Committee.
- to have an excellent knowledge of both written and spoken English.

Who Can't Apply

- Those who, at the date of the deadline for application, are or have been professors or assistant professors who achieved tenure.
- Those Who, at the date of the application deadline, are related, within the fourth degree, by blood or by marriage to professors of Sant’Anna School, or to the Rector (Rettore) or to the Managing Director (Direttore Generale), or to a member of the Board of Directors (Consiglio di Amministrazione) of Sant’Anna School.

Application:

Candidates are requested to apply online at the web pages:

¹ In order to know how to obtain the equipollence/equivalence-recognition of PhD degrees or of equivalent qualification, please refer to these web sites:

<https://www.mur.gov.it/it/aree-tematiche/universita/equipollenze-equivalenza-ed-equiparazioni-tra-titoli-di-studio/titoli-1>

<https://www.mur.gov.it/it/aree-tematiche/universita/equipollenze-equivalenza-ed-equiparazioni-tra-titoli-di-studio/titoli-0>

<https://www.mur.gov.it/it/aree-tematiche/universita/equipollenze-equivalenza-ed-equiparazioni-tra-titoli-di-studio/titoli-3>



Sant'Anna

Scuola Universitaria Superiore Pisa

<https://pica.cineca.it/santanna/2023-rtdb-03/> for the position of the **Academic Recruitment Field BIOENGINEERING - 09/G2**

Deadline: by July, 17, 2023.

<https://pica.cineca.it/santanna/2023-rtdb-04/> for the position of the **Academic Recruitment Field "TELECOMMUNICATIOIS - 09/F2**

Deadline: by September, 5, 2023.

For technical support for the application please contact CINECA support via the link you find at the bottom of the page <https://pica.cineca.it/santanna>

For further information about the call, please contact the Personnel Department Office (Tel. +39-050-883-575-576-258, e-mail infodocenti@santannapisa.it).

The following documents must be supplied as pdf files during the on line application:

- 1) Curriculum Vitae signed and dated;
- 2) Copy of Identification Document (e.g. passport);
- 3) Copy of your PhD thesis;
- 4) Copy of your publications, not exceeding the number above indicated and list of the submitted publications;
- 5) all academic and professional qualifications, other accomplishments, awards and any additional information which can be useful for the evaluation of the applicant. All documents, certificates and letters submitted should be saved in .pdf format;
- 6) a proposal for a research project that the candidate proposes to carry out as part of the research activities defined in the call.

To apply candidates need have a mail address, a printer and a scanner because they have to print, sign and upload the scanned copy of the application.

They will be able to withdraw their application until the deadline, Id they need to change a submitted application, they have to withdraw it and submit a new one.

Selection process and calendar:

The evaluation committees will be appointed by the Rector of the Scuola Sant'Anna. A restricted number of applicants, to be admitted to a final interview, will be selected by the committee, on the basis of cv's, publications and qualifications.

For the **Academic recruitment field "BIOENGINEERING" (SC 09/G2) - Academic Discipline "Electronic and Informatic Bioengineering" (SSD ING-INF/06)** the date of the interview between the Committee and the admitted candidates will be published in this page on **August, 4, 2023:** <https://www.santannapisa.it/it/selezioni/selezione-pubblica-la-stipula-di-tre-contratti-di-ricercatorericercatrice-tempo-0>

For the **Academic recruitment field TELECOMMUNICATIONS (SC 09/F2) – Academic Discipline TELECOMMUNICATIONS (SSD ING-INF/03)** the date of the interview between the Committee and the admitted candidates will be announced on the web page on **October, 11, 2023:** <https://www.santannapisa.it/it/selezioni/selezione-pubblica-la-stipula-di-tre-contratti-di-ricercatorericercatrice-tempo-0>



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No further information will be given to admitted candidates.

If necessary, the HR Department will contact applicants only via the email address designated on applications.

We inform that under the article 13 of the EU General Data Protection Regulation n. 679/2016 and the Italian Legislative Decree 30 June 2003 ("Privacy Code regarding the protection of personal data"), Sant'Anna School of Advanced Studies (hereinafter the "School") is a registered Data Controller. On its behalf, the internal processor is the Human Resources Department Head, e-mail: privacy@santannapisa.it; personal data will be processed by other instructed, therefore authorized, School employees.

Applicants are due to read the Privacy Notice published on the web site www.santannapisa.it/privacynotice

Fixed term employment contracts are enforced under the Law 240/2010, art. 24, par. 3, lett. b)

For further information about the Department of Excellence Robotics & AI, please visit: <https://www.santannapisa.it/en/departments-excellence/robotics-ai>

For further information about the BioRobotics Institute, please visit: <https://www.santannapisa.it/en/institute/biorobotics>

For further information about the Telecommunications, Computer Engineering, and Photonics Institute please visit: <https://www.santannapisa.it/it/istituto/tecip>

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