



Sant'Anna
Scuola Universitaria Superiore Pisa

Summary of the Rector's Decree no. 71 of February 06, 2024

CALL FOR APPLICATIONS FOR ONE ASSISTANT PROFESSOR POSITION in the frame of NRRP (National Recovery and Resilience Plan) - Next Generation EU (NGEU)

The Sant'Anna School of Advanced Studies - Pisa (Sant'Anna School) announces a call for the recruitment of **one assistant professor** (ricercatore/ricercatrice a tempo determinato) with full time temporary contract pursuant to Italian Law no. 240/2010, art. 24 paragraph 3 letter A **at the Academic Faculty of Experimental and Applied Sciences and Telecommunications, Computer Engineering, and Photonics Institute in the Academic Recruitment Field 09/E3 Electronics - Academic discipline ING-INF/01 Electronic Engineering** for the development of the RESTART - Research And Innovation On Future Telecommunications Systems And Networks, To Make Italy More Smart (**Supervisor:** Professor Antonella Bogoni).

Research activities: The research activity will concern the study of wireless sensor networks based on photonics to be combined with wireless communication networks for future B5G and 6G mobile radio telecommunications systems.

In particular, the candidate will have to carry out design activities for distributed RF sensor architectures and implement algorithms for position optimization. Furthermore, the candidate will have to develop algorithms for processing the received signals and for fusing the data of the different sensors in order to optimize the information received. Software programs that implement such algorithms must be implemented with the aim of reducing processing time as much as possible.

Of particular interest will be the candidate's ability to direct his/her research towards multidisciplinary fields in the radar and photonic field, the ability to determine a substantial advancement of knowledge in terms of new distributed radar architectures and data processing algorithms for sensors of the future. The research activity includes both theoretical aspects and experimental validations.

Didactic activities: The assistant professor will be involved in training and teaching activities related to his/her research activities. The assistant professor will be involved in training and teaching activities, also in English, for undergraduate, PhDs, Master's diplomas and Higher Education Courses students.

Duration of the contracts: three years.

Salary: 36.839,85 € 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



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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 contract. 1.

- to have an excellent knowledge of both written and spoken English.

Others **Requirements**

Candidates must supply:

- their PhD thesis.
- no more than 12 publications.

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 page:
<https://pica.cineca.it/santanna/2024-rt-da-01/> since February 9, 2024.

Deadline: by February, 26, 2024 at 23.59 (Italian time GMR +1).

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, e-mail infodocenti@santannapisa.it)

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

- 1) Curriculum Vitae signed and dated;
- 2) copy of Identification Document (e.g. passport);
- 3) copy of your PhD thesis and for candidates who have a not Italian Phd also a certificate;

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>



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- 4) copy of your publications, not exceeding the number of 12 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;

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, if they need to change a submitted application, they have to withdraw it and submit a new one.

Selection process and calendar:

The evaluation committee will be appointed by the Director 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. **The interviews will be held online and will be on March 14, 2024.**

The time of interviews between the Committee and the admitted candidates and the list of the admitted candidates will be announced in this web page <https://www.santannapisa.it/it/selezioni/selezione-la-stipula-di-un-contratto-di-ricercatorericercatrice-tempo-determinato-ai-1> on **March 4, 2024** in the section "*Selezione per la stipula di un contratto di ricercatrice/ricercatore a tempo determinato ai sensi dell'art. 24 comma 3 lett. a della legge 240/2010 nell'ambito dei progetti finanziati sui fondi del PNRR presso l'Istituto TeCIP*".

No further information will be given to 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 Telecommunications, Computer Engineering, and Photonics Institute (TeCIP) please refer to <https://www.santannapisa.it/en/institute/tecip>



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