



Summary of the Rector's Decree no. 227 of March, 30, 2023

CALL FOR APPLICATIONS FOR THREE ASSISTANT PROFESSOR POSITIONS 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 **three assistant professors** (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:**

- **One position in the Academic Recruitment Field 09/H1 Information Processing Systems - Academic discipline ING-INF/05 Information Processing Systems** for the development of the *SERICS - Security and Rights in the Cyber Space (Supervisor: Professor Giorgio Carlo Buttazzo and Professor Alessandro Biondi)*.

Research activities: The assistant professor will carry out research activities to design architecture, mechanisms, and methodologies for guaranteeing the cyber-security of computing systems, with particular reference to those adopted for controlling cyber-physical systems.

Didactic activities: The assistant professor will be involved in training and teaching activities related to his/her research activities.

- **Two positions in the Academic recruitment field 09/F2 Telecommunications - Academic discipline ING-INF/03 Telecommunications** for the development of *RESTART Research And Innovation On Future Telecommunications Systems And Networks, To Make Italy More Smart (Supervisor: Professor Piero Castoldi)*.

Research activities: The research activity will concern the study of networks, optical and wireless systems and/or photonic technologies to serve future B5G and 6G telecommunications mobile radio systems. In particular, the candidate will have to carry out research in one or more of the following areas: 1) optical network architectures that meet the requirements of energy efficiency, agility, security, network unbundling and ultra-broadband capacity to support 6G mobile systems; 2) development of new devices in integrated photonics for switching, transmission and networks; 3) optical transport infrastructures aimed at capacity improvement via MultiBand, Space-Division-Multiplexing, optical wireless access and security via Quantum-Key-Distribution; 4) optical network monitoring and control plan techniques with zero-touch solutions. 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.

All the Assistant Professors 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.



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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 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/2023-rtda-05/> for Academic recruitment field 09/H1 Information Processing Systems.
- <https://pica.cineca.it/santanna/2023-rtda-06> for Academic recruitment field 09/F2 Telecommunications.

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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Deadline: by May, 2, 2023 at 23.59 (Italian time GMR +1) for Academic recruitment field 09/H1 Information Processing Systems.

Deadline: by June, 5, 2023 at 23.59 (Italian time GMR +1) for Academic recruitment field 09/F2 Telecommunications.

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;
- 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 for each selection. 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.**

The date of interviews between the Committee and the admitted candidates, the date of publication of the list of the admitted candidates, the time of the interviews and the link for the interview will be announced in this web page <https://www.santannapisa.it/it/selezioni/selezione-la-stipula-di-tre-contratti-di-ricercatore/ricercatrice-tempo-determinato-ai> on May, 15, 2023 for Academic recruitment field 09/H1 Information Processing Systems and on June, 12, 2023 for Academic recruitment field 09/F2 Telecommunications in the section "Selezione per la stipula di tre contratti di ricercatore/trice 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



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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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