Open Call for Expression of Interest for a position of:

- Associate Professor, AP, (R3 - researchers who have developed a level of independence)

in one or more of the following research areas

- **Artificial Intelligence and Machine Learning**
- **Cyber-security**
- **Safe and Secure Autonomous Systems**
- **Performance optimization and acceleration of software systems**
- **Machine Learning and Big Data for Cloud computing**

or in an area at the intersection or at the interface of the previous ones.

In an attempt to strengthening its international position, to enhance the areas of expertise already developed in the faculty, or to open new research avenues, the Telecommunications, Computer Engineering, and Photonics (TeCIP) Institute in the frame of the Department of Exellence in Robotics and I.A.

is opening a new tenured position of Associate Professor in **Computer Engineering,** reserved to external candidates (i.e. candidates who did not have any fixed-term or permanent appointment with Scuola Sant'Anna in the last three years) in one of the areas listed above or at the intersection of them.

The expertise of the current academic staff of the Scuola in this area is mainly focused on embedded real-time systems, safe and secure artificial intelligence, cloud computing and big data, and artificial intelligence applied to industrial processes.

The position will be covered either by:

- a direct appointment (i.e. chiamata diretta) according to the Italian law (Law 230/2005 art. 1 par. 9)
- an open competitive evaluation procedure (i.e. concorso) according to the Italian law (Law 240/2010 art. 18)
- an open competitive evaluation procedure (i.e. chiamata per mobilità) reserved to Associate/Full professors employed for at least five years in University in Italy or abroad, or to candidates, who have obtained the relevant Abilitazione Scientifica Nazionale (ASN), and who have been employed for at least five years as Researchers in Italian Public Research Centers or in Istituti di Ricovero e Cura a Carattere Scientifico (IRCCS), according to the Italian Law 240/2010 art. 7 par. 5 bis, 5 ter and D.M. 367/2022)

Before the formal opening of the position, the Scuola Superiore Sant'Anna is launching a Call for Expression of Interest (CEI) from potential candidates.

Profile. We are looking for scientists with a research background in one or more of the previously indicated research domains and who are expected to contribute to next-generation software systems with particular reference to the field of cyber-physical systems.

Applicants must prove an excellent research track record in the field of computer engineering and/or computer science. The successful applicant will be required to teach, advise, and mentor undergraduate

and graduate students, develop an independent, externally funded research program, and participate in all aspects of the activities of the TeCIP Institute. Strong written and verbal communication skills are required. The benefits offered in terms of collaborations, spaces and infrastructures include involvement in several projects already funded by industries and public institutions (e.g., European Commission), related to several activities of the newly approved Department of Excellence 2023-2027 of the Class of Experimental and Applied Sciences. The role also entitles the access to well-equipped lab facilities including a rich set of modern embedded computing boards, hardware tracers and debuggers, powerful GPU-enabled computing clusters, and autonomous vehicles.

The adequacy of the candidates will be assessed by the School leadership and by the relevant recruiting structure mainly on the basis of the self-assessment form reported in the **Appendix**.

In case of Full and Associate Professor positions, the applicants should:

- have obtained the Italian National Scientific Habilitation (ASN) or be employed as Full or Associate Professor in Italian Universites
- or be employed in research and/or teaching activities at a university or qualified research organisation, outside Italy, in positions which are equivalent to Associate /Full Professor (Law 230/2005 art. 1 par. 9, DM 662/2016 and DM 372/2017)
- or be eligible for a direct appointment (*chiamata diretta*) according to the Italian law (e.g. Principal Investigators of an ERC or Marie Sklodowska-Curie project or candidates who have hold an Associate or Full professors position for at least three years outside Italy) (Law 230/2005 art. 1 par. 9, DM 662/2016)

Terms and Conditions. The starting yearly gross salary for Associate Professor is € 53.700 and can be increased based on seniority and qualified research results. The severance pay is equal to one monthly gross salary for each year of employment. The employer pays social security charges.

Application procedure. Fill in the **Appendix** and submit the application by email to scouting@santannapisa.it by March 31st, 2023. Please indicate in the subject line this code: **AP-ComputerEngineering-TECIP**. In case of inquiries, please contact:

Prof. Giorgio Buttazzo giorgio.buttazzo@santannapisa.it

The candidate will be notified about the results of the CEI within 30 days from the deadline. The candidates could be invited for an interview at the Scuola Superiore Sant'Anna.

Timing. It is expected to fill the position by July and September 2023.

Equal opportunities: Scuola Sant'Anna is an equal-opportunity/affirmative action employer. Women and underrepresented minorities are especially encouraged to apply.

Disclaimer: this is not yet a job vacancy advertisement. Based on the expressions of interest for these positions, the Sant'Anna School for Advanced Studies will determine whether or not to launch an open competitions (pursuant art. 18 or art. 7 of the Italian Law 240/2010) or to proceed with the direct appointment (pursuant art. 1 par 9 of the Italian Law 230/2005).

Privacy statement

1.1 The EU Regulation 2016/679 on General Data Protection Regulation (hereinafter GDPR) and the Italian Privacy Code (Legislative Decree 196/2003, as modified by Legislative Decree 101/2018) are applicable to the candidates' personal data processing.

1.2 The Data Controller is the Scuola Superiore Sant'Anna, a public university institute, located in Piazza Martiri della Libertà, 33 Pisa, in the person of the Rector pro tempore.

1.3 Your personal data (e.g. name, career, contacts, cv, recommendation letters, etc.) will be collected by the Scuola under the call for interest by email and processed for the completion of the application.

1.4 Personal data are processed under article 6, sub e) GDPR to perform tasks of public interest within the institutional activities of the Scuola, including the purposes of archiving, historical research, and analysis for statistical purposes.

1.5 The collected personal data will be processed and stored for the time strictly necessary to achieve the purposes for which they have been collected; in any case, special provisions on the documentation storage by public institutions will be applied.

1.6 The data subject may exercise the following rights: - to access to personal data, in the cases and in the ways referred to in art. 15 GDPR; - the rectification, erasure or restriction of the processing of personal data, in the cases and ways referred to in Articles 16- 18 of the Regulations; erasure is not permitted for the data included in the documents that must be kept by the Scuola to guarantee transparency in public activities; - the portability of data, in the cases and in the ways referred to in article 20 GDPR; - to object to the processing, under article 21 GDPR; - the right to submit a complaint to the Italian Data Protection Authority.

1.7 The aforementioned rights may be exercised by sending a request by email either to the Data Controller protocollo@sssup.legalmailpa.it or to the Privacy Committee of the Scuola privacy@santannapisa.it.

For any further information, please do not hesitate to contact the Data Protection Officer (DPO), email: dpo@santannapisa.it.