

Open Call for Expression of Interest – Assistant Professorship in BioRobotics
The BioRobotics Institute
Scuola Superiore Sant’Anna, Pisa Italy

A new position of Assistant Professor (three years appointment possibly renewable for two additional years) (Ricercatore a Tempo Determinato ai sensi dell’art. 24, c.3 lett. A, L240/2010) in the area at the interface between **Artificial Intelligence, Material Science and Engineering, Robotics and Biomedical Engineering** is going to be opened at **The BioRobotics Institute of Scuola Superiore Sant’Anna**, within a Strategic Initiative aimed at building a world-class “Department in Robotics and Artificial Intelligence”, with 15M€ investments from the Ministry of Education and Research. The position will be covered by means of a public competitive examination according to the Italian law. Before the formal opening of the position, The BioRobotics Institute is calling for expression of interest from potential candidates interested in applying to it.

In an attempt to strengthening its international position in the field of robotics science and engineering, and to enhance the areas of expertise already developed in the faculty, The BioRobotics Institute is looking for researchers at the early stage of their career, interested in addressing multidisciplinary research that includes the design, development and assessment of robots at large, and of bioinspired and biomedical systems.

PROFILE

The challenge of the strategic initiative is to build next generation robots, with new bodies and new brains. Thus the call is open to a wide range of young experts in either Artificial Intelligence or Material Science and Engineering.

Artificial Intelligence. We are looking for an expert in natural and/or artificial intelligence interested in studying the learning process in robots and in humans, in the framework of intelligent robotics, human-robot integration and symbiosis for different applications going from neuroscience and neuroprosthetics to rehabilitation and surgical robotics, to autonomous robots. The scientific questions related to the learning process are fundamental for the progress of robotics, bionics and biomedical engineering. We are interested in studying the development of learning, of cognitive abilities and skills and to implement models in robots and in human-robot interfaces.

Material Science and Engineering. We are looking for an expert in the field interested in developing and testing new materials for robots with embedded smart behaviours like sensing, actuation, self-healing, self-powering, biocompatibility, biodegradability properties and so on. Experts in additive manufacturing techniques, in the synthesis of biological tissues, in stiffness changing materials or in mechatronics systems are also very welcome.

Applicants must have an earned doctorate in an appropriate science or engineering field. The successful applicant will be required to teach; advise and mentor undergraduate and graduate students; develop an independent, externally funded research program; participate in all aspects of the Institute activities; and serve the profession. Strong written and verbal communication skills are required. Preference will be given to candidates with recent and relevant hands-on experience with applied research and technology development in robotics and bioengineering, and a promising track

for academic leadership. Applicants should consult the **Institute website** (www.biorobotics.santannapisa.it) to review our academic and research programs. The successful applicant will join forces with a team of faculty members already enrolled by the Institute and to be recruited within the strategic initiative:

<https://www.santannapisa.it/it/istituto/biorobotica/news/call-for-associate-professor>

Application procedure

Applicants should send a curriculum vitae, a research statement, a teaching statement, and copies of no more than three publications. They should also include the names of four individuals to submit letters of recommendation on their behalf. This information must be submitted by email to artificialintelligence@santannapisa.it by **July 26, 2019** when review of applications will begin. Please do not use that email for inquiries as it will not be checked.

After the closure of the present call for expression of interest, the Scuola Superiore Sant'Anna will open the official call for the post, as required by the Italian regulation for academic employment. It is expected to fill the position by Fall/Winter 2019.

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

PERMANENT LINK TO THIS CALL: www.santannapisa.it/it/istituto/biorobotica/news/call-for-assistant-professor

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 procedure as well as, for the successful candidate/s, the subsequent management of the Professor's career, and for all related activities.

1.4 Personal data are processed under article 6, *sub b)* GDPR to establish a contractual relationship and 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. Personal data will be processed, also with automated tools (in-house software and databases hosted on servers sited in Italy as well as by other processors e.g. CINECA), in compliance with the principles of accountability, lawfulness, correctness, minimization, transparency, integrity, accuracy, confidentiality and proportionality.

1.5 Your personal data provided in the call for interest will be communicated or transferred to third parties (public and / or private parties) within the context of institutional relations, for the fulfilment of legal obligations or regulations or of contracts, within the services required by the Scuola (e.g. access to facilities, ICT services, The BioRobotics Institute administration etc.) as well as to the members of the Committees.

1.6 The collected personal data may be communicated or transferred to established parties in third countries, only if suitable data protection guarantees and conditions have been ascertained.

1.7 The collected personal data will be published on the official online register and on the Scuola's institutional website if specified by the law for transparency purposes and other regulations of the Scuola.

1.8 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.

1.9 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.

1.10 The aforementioned rights may be exercised by sending a request by email either to the Data Controller protocollo@sssop.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.