



Summary of the Rector's Decree n. 79 of February 14, 2024

MOBILITY NOTICE FOR A FULL PROFESSOR POST (PURSUANT TO ART. 7, PAR. 5-BIS AND 5-TER, LAW N. 240 OF DECEMBER 30TH 2010) IN THE ACADEMIC FACULTY OF THE SOCIAL SCIENCES, AS PART OF THE DEPARTMENT OF EXCELLENCE L'EMbeDS (ECONOMICS, MANAGEMENT AND LAW IN THE ERA OF DATA SCIENCE)

Academic Recruitment Field: 01/B1 INFORMATICS (INFORMATICA)

Academic Discipline: INF/01 B1 INFORMATICS (INFORMATICA)

Deadline: March 8, 2024, 11:59 p.m. Italian Time

Profile sought

Teaching: The candidate will contribute to the development of cutting-edge courses in the field of Data Science, strengthening the educational initiatives undertaken by the [L'EMbeDS Department of Excellence](#), including the new II level diploma in Data Science currently being established at the Sant'Anna School, and the growing involvement of the School in the training of innovative doctoral profiles in the field of Data Science (e.g., in collaboration with the national Doctorate in AI for Society, with administrative headquarters at the University of Pisa). In parallel with the development and delivery of courses, the candidate will play a key role in ushering towards research and supervising undergraduate and graduate students, and in fostering the growth of post-doctoral figures recruited through the Department of Excellence.

Research: We are looking for established scholars in Computer Science whose leadership can foster L'EMbeDS core mission and interdisciplinary endeavors, contributing to algorithmic, methodological and societal challenges generated by the use of massive contemporary data. As an apical faculty of the Department of Excellence, the candidate will produce significant algorithmic and methodological innovation, with the ability to empower data- and computation-driven research in one or more domains of the Social Sciences. The candidate is also expected to sustain a robust, externally funded research program, and to broaden reach and strength of the Department of Excellence and the Sant'Anna School through his/her national and international collaborations.

Foreign language: The candidate will be able to use the English language fluently in teaching, in research, and in interactions with scientific collaborators and institutional interlocutors.

Detailed information about the L'EMbeDS Department of Excellence is available in the Attachment A (at the bottom of this document).

Admission requirements

Candidates must have had at least five years of service as:

- a) Full Professor in other Italian Universities
- b) Full Professor, or equivalent position, in foreign Universities (foreign positions equivalent to the Italian "Professore Ordinario" are listed in the *Tables of Correspondence* established by the Ministerial Decree n. 456 of May 10th, 2023)
- c) Research Manager or Senior Researcher at a public research institutions, or Researcher with a permanent position or a fixed-term contract (pursuant to art. 1, par. 422 and subsequent paragraphs, law n.205 of December 27th 2017) at a scientific institute for research, hospitalization and healthcare (IRCCS) working in translational, preclinical and clinical research, in possession of the National Scientific Qualification for the Academic Recruitment Field 01/B1 INFORMATICS (INFORMATICA).

Candidates must also **satisfy two out of three among the criteria** established for commission members in the most recent round of the National Scientific Qualification, i.e.:

- At least 11 articles¹ published in scientific journals listed in “Scopus” and/or “Web of Science” in the 10 years prior to the deadline of this call.
- At least 391 citations recorded in “Scopus” or “Web of Science”² in the last 15 calendar years.
- An H index of at least 11, as computed based on citations recorded in “Scopus” and “Web of Science” in the last 15 calendar years.

Candidates shall be admitted to the selection procedure conditionally; the School administration reserves the right to exclude a candidate at any time if one or more of the aforementioned requirements are not met, or for other unredeemable incompatibilities.

Who Can't Apply

Those who are related, within the fourth degree, by blood or by marriage to professors belonging to the Academic Faculty of the Social Science of the Sant'Anna School, or to the Rector (Rettore), the Managing Director (Direttore Generale), or a member of the Board of Directors (Consiglio di Amministrazione) or of the Academic Senate (Senato Accademico) of the Sant'Anna School.

All the requirements for admission must be satisfied at the starting date of the Call.

How to apply

Applications can be submitted via personal certified email (PEC) to protocollo@sssup.legalmailpa.it.

Foreign candidates (not Italians) can also submit their application by ground mail addressed to:

Scuola Sant'Anna – Human Resources Office – Piazza Martiri della Libertà 33, 5610 Pisa, Italy.

If applying by ground mail, candidates must also send a copy of the application by email at the address infodocenti@santannapisa.it.

Applications must be received by the deadline of March 8, 2024, 11:59 p.m. (Italian time).

Application materials must include:

- the application form, completed and signed (Attachment B, available at the site);
- a declaration stating that the candidate meets the criteria established for commission members in the most recent round of the National Scientific Qualification, in reference to the indicators (articles, citations, H index) and thresholds specified above, signed and dated (Attachment C, available at the site);
- a Curriculum Vitae in English, detailing scientific and professional activities, signed and dated;
- a written proposal in English, demonstrating the fit with the profile sought in terms of both teaching and research. The proposal must include a short introductory section motivating the application, followed by a description of the research trajectory the candidate intends to undertake as part of the field of Data Science, highlighting results already obtained, completed and ongoing projects, national and international collaborations, and the elements of interdisciplinarity that will be functional to the pursuit of this trajectory, and identifying the aspects of synergy and valorization with respect to the mission and interdisciplinary efforts of L'EMbeDS (do not exceed 6 pages, in font 11 pnt, excluding the bibliography);
- a copy of an Identification Document (e.g., a passport).

Evaluation

Applications will be evaluated by a committee appointed by the Rector of the Sant'Anna School, comprising the Directors of the three Institutes involved in the L'EMbeDS Department of Excellence (Economics, Management, DIRPOLIS), the Scientific Coordinator of the Department, and an expert faculty in the

¹ Articles by the candidate will be considered if published in scientific journals listed in “Scopus” and “Web of Science” in the following categories:

“Scopus”: Article, Article in press, Review, Letter, Note, Short survey:

“Web of Science – Core Collection”: Article, Letter, Note, Review.

² The Committee will evaluate the Highest H index on overall scientific production.

recruitment field 01/B1 INFORMATICS. The committee will assess the written proposal and Curriculum Vitae provided by the candidates based on criteria established during the first meeting of the committee and published on the School website. Such criteria will consider:

- consistency of the proposal with the profile sought, in terms of both teaching and research, and more generally with the strategic needs, mission and development trajectories of the L'EMbeDS Department of Excellence (see Attachment A, at the bottom of this document);
- clarity, completeness and feasibility of the proposal, in terms of its impact on teaching and research, and the degree of integration of the candidate with the transversal and disciplinary scientific goals articulated in the five-year plan of the Department of Excellence (see again Attachment A, at the bottom of this document);
- level of competence, scientific qualification and leadership ability of the candidate in relation to the implementation of his/her proposal, as documented by his/her Curriculum Vitae.

Additional technical details

Queries about the call can be directed to the Human Resources Office of the Sant'Anna School (phone +39-050-883-575-576-258, e-mail infodocenti@santannapisa.it). Candidates should monitor the email address included in their application form, as such address will be used by the Human Resources Office for any and all communications.

Under article 13 of the EU General Data Protection Regulation n. 679/2016 and the Italian Legislative Decree of June 30th, 2003 ("Privacy Code regarding the protection of personal data"), the Sant'Anna School of Advanced Studies is a registered Data Controller. The internal processor on behalf of the School is the Head of the Human Resources Office, which can be reached for data privacy related matters at the email privacy@santannapisa.it. Personal data will also be processed by other trained and authorized School employees. Applicants are required to read the Privacy Notice available on the School web site (www.santannapisa.it/privacynotice).

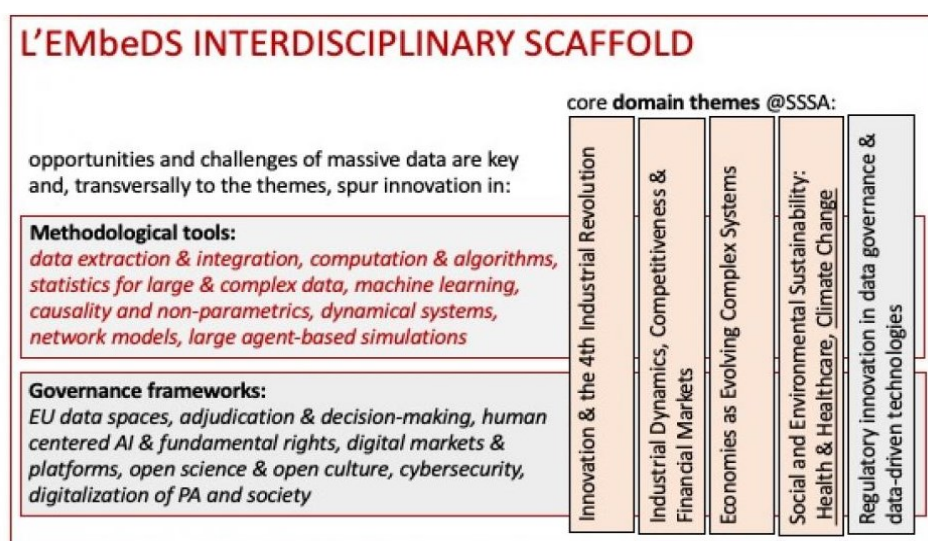
DISCLAIMER: Please note that this English summary of the [Rector's Decree n. 79 of February 14, 2024](#), is provided as a courtesy for informational purposes only; applicants cannot derive any rights from this abridged translation. In the event of a dispute about the contents or interpretation of relevant terms, or in the event of ambiguity, inconsistency or discrepancy, the Italian version of the decree shall apply, prevail, be conclusive and binding. Only the Italian version of the decree shall be used in legal proceedings. For further details, please refer to the web site <https://www.santannapisa.it/it/selezioni/selezione-pubblica-una-posizione-di-professoreessa-di-seconda-fascia-dipe>

Attachment A

CONTEXT, MISSION & OBJECTIVES OF THE DEPARTMENT OF EXCELLENCE L'EMbeDS

Big data, and approaches for their analysis, modeling and regulation, play an increasingly important role in all scientific domains, including those of the social sciences, and in decision-making processes in public and private spheres. This role is recognized by funding agencies and institutional actors at the European and national level; for example, the European Commission structures its strategy around an 'agile' data economy and its regulation, and the Italian PNRR emphasizes on digitalization and related policies in public administration, healthcare, education and research. As the role of big data and its analyses grows, so do the methodological, algorithmic and social challenges associated with it. These challenges, in turn, connect to research both in STEM domains (e.g. Computer Science, Statistics, Mathematics) and in the social sciences (e.g. Economics, Management, Law). To properly address them, one needs the interdisciplinary approach successfully adopted by the EMbeDS Department of Excellence (*Economics and Management in the era of Data Science*) during the first funding cycle (2018-2022) and strengthened through a further extension towards the Law by L'EMbeDS (*Economics Management and Law in the era of Data Science*) with the second funding cycle (2023-2027).

The Department of Excellence promotes data- and computation-intensive research in the social sciences, and the innovation in methods, algorithms and data regulation necessary for such research, through investments in infrastructure, recruitment of faculty and researchers aimed at creating a dynamic and interdisciplinary intellectual community, and an expansion of educational paths in response to new training needs at the intersection between social sciences and data sciences. The results achieved during the first five years were excellent, with a significant multiplier effect on the quality and quantity of research demonstrated by publications and external funding. The project for the second five-year cycle profiles the Department of Excellence as an interdisciplinary incubator capable of contributing to salient issues such as the economic impacts of climate change, the challenges of digitalization, sustainable development, global AI governance and transnational data sharing, the evolution of healthcare and welfare systems, the fight against new forms of inequality and discrimination, new responsibility profiles, etc. L'EMbeDS will therefore synergistically strengthen the research missions of the Institutes it comprises (Economics, Management and DIRPOLIS) by intersecting transversal dimensions with domain dimensions - horizontal and vertical in the diagram below.



Complementary to research, the Department of Excellence provides a significant and growing contribution to internal, consortium and national doctoral programs (in particular, the PhD in AI for Society, part of PhD-AI.it) and to the development of courses and educational activities for the students of the Sant'Anna School – recently resulting in the creation of a new II level diploma and a new Sector in Data Science. The objective, within an excellence in educational context such as that of the School, and in synergy with the entire Pisan university environment, is to train a new generation of individuals capable of pursuing cutting-edge research in the social sciences, developing innovative methodology, and using effective and legally compliant

approaches in promoting digitalization and supporting decision-making based on big data – both in private companies and in the public sector. This approach to training can also have a broader impact through the Seasonal Schools of the Sant'Anna School and contribute to its Third Mission through courses designed for professionals.

The second cycle of the Department of Excellence therefore aims to exploit the investments made, the experience acquired and the community created since 2018 to support an interdisciplinary and heterodox “academic experiment” within the School – promoting the environment and infrastructures necessary to chart new paths in the key sectors of the European Union data strategy (e.g., sustainability, justice, health, mobility, cultural heritage), supporting open data approaches in research, and creating innovative synergies across the different scientific domains represented in L'EMbeDS.

For further information please refer to <https://www.santannapisa.it/it/dipartimenti-eccellenza/embeds> .