



SCUOLA  
NORMALE  
SUPERIORE

**ANNOUNCEMENT OF PUBLIC SELECTION FOR N° 1 GRANT FOR RESEARCH**  
**(Italian law 30 December 2010, n.240, art.22)**

**Description**

The Scuola Normale Superiore announces a selection, based on work to date, for a research contract named “*Weak geometric structures in dynamical systems and optimal transportation*” as part of the research projects “*Dynamics and Information Research Institute - Quantum Information (Teoria dell’Informazione), Quantum Technologies*” (Addendum 2019 Convenzione 2014 Scuola-Unicredit, CUP E52I14001460005) and PRIN 2017 “*Regular and stochastic behaviour in dynamical systems*” (code 2017S35EHN\_006, CUP E54I19001500005).

Aim of the research is to investigate topics on the boundary between the theory of dynamical systems and of optimal transportation, including: possible generalizations of the Chow-Rachevsky theorem for irregular vector fields or differential forms with applications to controllability problems; controllability of systems with drift for point and measure data; applications of weak geometric structures to manifold learning.

Duration of the contract: 2 years

Gross remuneration, inclusive of all taxes: €70,500

**New Deadline:**

Application deadline: the application must be registered online by 23.59 (Italian time) of 11 May 2022.

Applications received and registered online after the deadline, for reasons not attributable to the Scuola, will not be admitted to the selection.

Information about the selection procedure can be found below. Candidates are invited to read the official announcement (*Bando*) and to follow exclusively its detailed instructions should they decide to apply.

**Requisites**

Applications are invited from candidates who have completed a PhD in Mathematics. Candidates who have completed the aforementioned degrees abroad may also apply, if said degrees are recognized as equivalent to Italian degrees.

**How to apply**

Candidates who wish to participate in the selection process must submit their application using the online procedure (SerSe) available on the Scuola’s website at <https://serse.sns.it/en/>.

At first candidates shall register themselves in SerSe and then, once received a confirmation email to the email address indicated by them, they shall select on the homepage the specific call they are interested to. Candidates having already registered themselves in SerSe shall use the same access credentials to enter in the online procedure and submit their application.

For internal users or external users with SPID, it will be possible to log in SerSe with SPID or SNS credentials instead of SerSe credentials.

The email address indicated by candidates during the online registration or application submission is the official means of communication relating to this selection. Any change must be communicated promptly to the email address [job.opportunities@sns.it](mailto:job.opportunities@sns.it).

In order to submit the documents listed below (please see “Documents to be submitted with the application”), candidates shall upload them exclusively as PDF files (only PDF format will be accepted). Only if direct upload is not possible, exceptionally one or more publications can be provided extra online

procedure, delivering them by registered mail or courier to the following address: Ufficio Protocollo of the Scuola Normale Superiore, Via del Castelletto, n. 11, 56126 Pisa (Italy).

After the online application has been received and registered, it will not be possible for candidates to change or integrate it with further documents.

**Since the above mentioned system is temporary not available, the following options of submission are also admitted (applications must be received at Scuola Normale Superiore within the 11<sup>th</sup> May 2022):**

a) candidates can present the application form and documentation directly, during office hours, to the “Ufficio Protocollo” [Documents Registry Office] of the Scuola Normale, located at Via del Castelletto, n. 11, 56126 Pisa (Italy). For information on the opening hours please contact [protocollo@sns.it](mailto:protocollo@sns.it);

b) candidates can send the application form and documentation by registered mail or courier to the following address: Scuola Normale - Servizio Archivio, Protocollo e Posta, Via del Castelletto n. 11, 56126 Pisa (Italy). In this case, it is recommendable to write on the envelope “Call n. 247”. Please consider that the applications sent by registered mail or courier must arrive at the Ufficio Protocollo (*Documents Registry Office*) of the Scuola Normale by the deadline; applications which will arrive after the deadline will not be considered even though the postmark shows an earlier date;

c) candidates can send the application form using the electronic mail only if they possess an Italian certified electronic mail address (PEC - Posta Elettronica Certificata). In this case, they should send the application form to the address [protocollo@pec.sns.it](mailto:protocollo@pec.sns.it).

No other delivery method will be accepted.

**Application deadline: the application must be received by the 11<sup>th</sup> May 2022 at the Scuola Normale Superiore**

### **Documents to be submitted with the application**

Candidates who wish to participate in the selection process must submit the application using the online procedure (SerSe) or – if they choose the other options of submission – using the “Attachment A1 – Application form”. The application needs to be signed by the candidate with original signature, under penalty of exclusion (unless the candidates choose to send the application form using a PEC e-mail address).

Candidates need to submit also the following:

a) the copy of a valid identification document (mandatory – the document shall not exceed 1 Mb in case of online application);

b) a curriculum vitae containing a detailed description of the studies, qualifications, publications, patents, scientific/professional/teaching experiences (mandatory);

c) the publications, including also the PhD thesis, and any other document that the candidate believes may be useful to the evaluation of her/his application (it is mandatory to present the publications that the candidate intends to submit to the evaluation of the Committee). In case of online applications (SerSe), the publications shall be attached during the online procedure; in the other cases, the publications must be provided exclusively on a digital storage device (cd, USB flash drive ecc.);

d) a list of the submitted publications (mandatory).

In case the application is presented directly to the “Ufficio Protocollo” [Documents Registry Office] of the Scuola Normale or sent by registered mail or courier, the the storage device must contain also a scanned copy of the application, of the curriculum vitae and of the list of publications.

For those unpublished texts accepted for publication, the candidate must include the relative document in its final form and the publisher’s certificate or a detailed substitute statement of affidavit confirming that the relative text has been accepted for publication (please use attachment A).

Administrative information or questions may be addressed to the email address [job.opportunities@sns.it](mailto:job.opportunities@sns.it).

In case of problems or for administrative information or questions, candidates can write an email to [job.opportunities@sns.it](mailto:job.opportunities@sns.it).