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 and interview, for a research contract named *"Optimal Transport and Inverse Problems"* as part of the research project *"Optimal Transport and Applications", co-financed by the International Balzan Foundation within the Balzan International Prize 2019 awarded to prof. Luigi Ambrosio and by the agreement 2021 with the Department of Mathematics of the University of Genoa.*

The grant holder will perform research activity in the field of optimal transport and inverse problems, with a special reference to applications to time-dependent detection of structures in imaging. The research is part of the Balzan International Prize project (prof. Ambrosio) and BIPE (dr. Alberti) and it will be carried out at the Scuola Normale Superiore and at the University of Genoa.

Scientific supervisors: prof. Luigi Ambrosio and dr. Giovanni Alberti

Duration of the contract: 1 year, with possible renewal for one additional year

Total gross remuneration, inclusive of all taxes: €33,295

Application deadline: the application must be registered online by 23.59 (Italian time) of 20th September 2021.

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.

Knowledge of English language is also required to carry out the research activity.

How to apply

Candidates with all the aforementioned requisites who wish to participate in the selection process must submit their application using exclusively the online procedure (SerSe) available on the Scuola's website at https://serse.sns.it/en/. No other submission method will be accepted.

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.

The email address indicated by candidates during the online registration is the official means of communication relating to this selection. Any change must be communicated promptly to the email address job.opportunities@sns.it.

The online application must include also the following documents:
a) the scanned copy of a valid identification document (mandatory – the document shall not exceed 1 Mb);
b) a curriculum vitae containing a detailed description of the studies and professional experience (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 attach the publications that the candidate intends to submit to the evaluation of the Committee);
d) a list of the submitted publications (mandatory).

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).

In order to submit the documents listed above, 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).

In the online application, candidates may also indicate one or more experts in the field of research, to whom the Scuola Normale will ask to send a letter of reference to be received by 23:59 (Italian time) of 24th September 2021.

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

Interview
Applicants who live permanently outside Italy or are domiciled abroad for work/study or research, or who are unable to carry out an on-site interview may carry out the interview by videoconference provided that they ask for it in the online application and they have the necessary and appropriate technical means for the online audio/video connection.
Moreover, without prejudice to the above situations, should the current health emergency persist it might be necessary to arrange the interview with all the admitted candidates by videoconference, in accordance with the scheduling and procedures to be defined by the Committee.
The Committee will indicate also the video conferencing software platforms to be used (for instance Skype or Google Meet).
During the interview, applicants must show the identity card or passport that they had enclosed in copy with their application, otherwise they could not take part in it.
The wrong communication of the contact details, as well as the missed connection at the date and time communicated by the Administration and the missed presentation of the identity card or passport cause the loss of right to participate at the interview and consequentially at the selection.
Scuola Normale is not responsible for any technical problems that may arise during the interview.

The interview will concern the following topics: basic notions of Geometric Measure Theory, Inverse Problems and Optimal Transport Theory.

In case of problems in registering the online application, for administrative information or questions, candidates can write an email to job.opportunities@sns.it.