Translation of Announcement no. 751 dated 13.10.2021

Subject: public selection procedure to assign 1 position of Researcher (Ricercatore a tempo determinato) in accordance with Art. 24, paragraph 3, letter a) of Italian Law No. 240/2010 in the Physics Area of SISSA, Academic Recruitment Field 02/B2 Theoretical Physics of Matter – Ministerial Decree No. 1062 of 10.08.2021, Action IV.4 “Research contracts on innovation issues”

THE DIRECTOR

Having seen Law by Decree No.1 of 9.1.2020, as modified by Law No. 12 dated 5.3.2020, which established Ministry of University and Research and subsequently abolished Ministry of Education, University and Research;
Having seen Law No. 168 of 9.5.1989;
Having seen Law No. 241 of 7.8.1990 and all subsequent modifications and additions;
Having seen Law No. 125 of 10.4.1991, “Positive actions for equality between women and men in the workplace”;
Having seen Law No. 104 of 5.2.1992 and all subsequent modifications and additions;
Having seen Law No 537 of 24.12.1993;
Having seen Presidential Decree No. 487 of 09.05.1994 and all subsequent modifications and additions;
Having seen Presidential Decree No. 445 of 28.12.2000 and all subsequent modifications and additions on administrative documentation;
Having seen Legislative Decree No. 165 of 30.03.2001 and all subsequent modifications and additions;
Having seen Legislative Decree No. 196 of 30.06.2003, Code for the protection of personal data, as modified by Legislative Decree No. 101 dated 10.08.2018 that has brought into force the EU General Data Protection Regulation 2016/679;
Having seen Law No. 106 of 15.04.2004 and Presidential Decree No. 252 of 3.5.2006;
Having seen Law No. 240 of 30.12.2010, “Regulations on the organization of universities, academic staff and recruitment, as well as the enabling regulation for Government to promote quality and efficiency in the university system” and in particular Art. 24;
Having seen Ministerial Decree No. 242 of 24.05.2011, "Criteria for the assessment of teaching and research activities carried out by contract holders as per Art. 24, paragraph 3, letter a), of Law No. 240 of 30.12.10";
Having seen Ministerial Decree No. 243 of 25.05.2011, "Criteria and parameters for the preliminary assessment of candidates for public selection procedures as recipients of contracts referred to in Art.24 of Law No. 240/2010";
Having seen Legislative Decree No. 49 of 29.03.2012, which establishes the legislative framework for the planning, monitoring and evaluation of budgetary policies and recruitment of universities;
Having seen Ministerial Decree No. 855 of 30.10.2015, laying down the re-determination of admission examination sectors re-grouped into macro-sectors;
Having seen the Regulations of SISSA on selection and management of the employment relationship of university researchers on a fixed-term contract basis in accordance with the provisions of Art. 24, Law No. 240 of 30.12.2010, established with modifications with Directorial Decree No. 8 of 9.1.2020;
Having seen the Directorial Decree No. 267 dated 25.03.2020, which considers the exceptional emergency situation due to COVID-19, in accordance with the internal policies as defined by the internal task force, and which establishes that all the recruiting procedures in SISSA, based either on qualifications or on qualifications and interview, will be done exclusively with telematic tools till the end of the state of emergency;
Having seen Ministerial Decree No. 737 dated 25.06.2021, concerning the provisioning of the Fund for the promotion and development of the policies of the National Research Program, established by Art. 1, paragraph 548, of Law No. 17 dated 30.12.2020;
Having seen Ministerial Decree No. 1062 dated 10.08.2021, allocating resources for the activation of fixed-term research contracts of type a), in accordance with the provisions of Art. 24, paragraph 3, of Law No. 240 of 30.12.2010, to carry out research activities on innovation issues (Action IV.4) and on Green issues (Action IV.6);
Having seen the Implementing Rules attached to the aforementioned Ministerial Decree No. 1062/2021;
Having seen the Note of the Italian Ministry of University and Research No. 12025 of 08.09.2021;
Having seen the resolutions of the Academic Senate and of the Board of Directors of SISSA, dated 21.09.2021 and 28.09.2021 respectively;
Given the need to carry out the procedure swiftly in order to fulfil the due obligations, it is established that the present call for applications shall remain open for a period of 20 days starting from the day after the date of its publication on the School's website;

**DECREES**

**Art.1**

Positions open to competition

The following public selection procedure is held to assign 1 position of Researcher (*Ricercatore a Tempo Determinato*) for a three-year contract, full time, at the Physics Area of SISSA, in accordance with Art. 24, paragraph 3, letter a) of Italian...

Project code (CUP): G95F2100120 0001

**Scientific Area:** Physics at SISSA

**Academic Recruitment Field:** 02/B2 Theoretical Physics of Matter;

**Academic Discipline:** FIS/03 Physics of Matter;

**Area:** Area 02 Physics;

**Scientist responsible for the research activity:** Prof. Stefano de Gironcoli;

**Research activity:** The research activity will be carried out as part of a project aimed at the development, analysis and optimization of innovative interatomic potentials for material science applications, based on machine learning approaches applied to data from first-principles calculations. In particular the researcher will contribute to numerical codes for the development of such potentials and to the theoretical analysis of the optimal characteristics to be included in the atomistic description and of the architectural details of the learning devices, tailored for applications in materials science.

**Teaching activities:** Within the maximum limit of 350 hours per year, the researcher will be involved in the tutoring of students and young researchers engaged in research activities on issues related to the acquired and independently developed skills; S/he may be required to provide short advanced courses on topics related to the research activity indicated above.

The research activities will be carried out in a company for a minimum of 6 months and a maximum of 12 months.

**Maximum number of publications to be submitted:** 12;

**Language in which the evaluation of qualifications and publications will be held:** English.

This selection procedure is conditional on admission to funding within PON “Research and Innovation”, as referred to in Ministerial Decree No. 1062/2021.

---

**Art.2**

**Admission and Eligibility Requirements**

Only Italian and foreign candidates in possession of a PhD degree or equivalent qualification in Physics, Chemistry or Materials science are eligible to participate in the selection.

In order to be admitted to the selection, candidates must be in possession of the requirements within the submission deadline.

If the PhD degree or equivalent qualification has been awarded abroad, candidates must provide the documents which certify that these qualifications are considered equivalent according to the Italian law in force:

Equivalence in accordance with Art. 74 of Presidential Decree No. 382/1980 or non-academic recognition to gain access to public competitions in accordance with article 38 of Legislative Decree No. 165/2001. If candidates do not comply with the requirement while submitting the application, they will be admitted to the selection procedure with reserve. Should such candidate win the selection, the necessary documents, certifying that his/her qualifications are considered equivalent...
according to the Italian law in force, must be submitted by the date of the signature of the contract.
Candidates having kinship or affinity up to the fourth degree with a professor belonging to the School Council, or with the Director, the Secretary General or with a member of the Board of Directors of SISSA cannot participate in the selection.
Candidates who have, or who have had, research fellowships (assegno di ricerca) or fixed-term contracts as Researcher (Ricercatore a Tempo Determinato) in accordance with Articles 22 and 24 of Law No. 240/2010 at SISSA or at any other Italian private, public or online university, or at institutions included in paragraph 1 of Art. 22 of Law No. 240/2010 for a period of time which, summed to the duration of the contract concerned by this call, exceeds a total of 12 consecutive or non-consecutive years, are not eligible. For the above-said purposes, maternity leaves and health leaves according to the Italian law in force are not taken into account.
Full and Associate professors (Professori di I e II Fascia) or researchers who have already held a permanent position in a university will not be considered, even if they are no longer in service.
The exclusion from the selection due to non-compliance is applied through a decree of the Director and notified to the candidate.
The following candidates cannot participate in the selection:
- candidates who are excluded from civil and political rights;
- candidates who have been dismissed or relieved from their role in a Public Administration for consistently inadequate performance, or who have been dismissed or disqualified following disciplinary proceedings or a criminal conviction, or who have been disqualified from another public employment service for having obtained it through the submission of false or invalid documents;
- candidates who have been dismissed or relieved from any other public employment, in accordance with Art. 127, letter d) of Presidential Decree No. 3 of 10.01.57.
This Administration guarantees equality and equal opportunities in accessing job posts and in job treatment between male and female participants.

Art. 3
Applications for the selection procedure
The admission application must be signed and duly filled out according to Annex A, and addressed to the Director of the International School for Advanced Studies - Via Bonomea, 265 - 34136 Trieste - Italy. The application must be submitted by November 4th, 2021, 11:59 p.m..
The selection procedure will immediately be published on SISSA’s website, and on the Ministry’s and European Union’s websites.
The application must be duly signed and submitted together with a copy of a personal identity document, on pain of exclusion.
The application may be submitted in one of the following ways:
1) submitted within the deadline through PEC (Electronic Certified Mail) to SISSA electronic certified mail address: protocollo@pec.sissa.it. The submission of the
application must be done exclusively through PEC registered in the name of the candidate. An application sent from a non-certified email address will not be considered valid. Under penalty of exclusion, it is mandatory to attach to this email the application and C.V. in .pdf format, which must contain the scanned signature of the candidate, the .pdf scan of a valid identity document (front and back) as well as any other attachment to the application in .pdf format (numbered, dated and signed list of publications, publications up to a maximum of twelve, numbered, dated and signed list of all the qualifications deemed relevant for the selection, as well as the qualifications themselves).

2) submitted via e-mail to concorsi.doc@sissa.it. On pain of exclusion, it is mandatory to attach to this email the following documents: the application and C.V. in .pdf format, which must both bear the scanned signature of the candidate, a .pdf scan of a valid identity document (front and back), and any other attachment to the application in .pdf format (numbered, dated and signed list of publications, publications up to a maximum of twelve, numbered, dated and signed list of all the qualifications deemed relevant for the selection, as well as the qualifications themselves).

In the application, candidates must clearly indicate their surname, name, date and place of birth, place of residence and tax code. In addition, all candidates must declare under their own responsibility:

- their citizenship;
- to hold a PhD degree or equivalent qualification in Physics, Chemistry, Materials science, obtained in Italy or abroad;
- not to have a kinship or affinity, up to the fourth degree, with a professor belonging to the School Council, or with the Director, the Secretary General or with a member of the Board of Directors of SISSA;
- not to hold/ a permanent position as full or associate professor (Professore di I and II Fascia) or as permanent researcher in a university, even if they are no longer in service;
- not to have research fellowships (assegno di ricerca) or fixed-term contracts as a Researcher (Ricercatore a Tempo Determinato) in accordance with Articles 22 and 24 of Law No. 240/2010 at SISSA or at any other Italian private, public or online university, or at institutions included in paragraph 1 of Art. 22 of Law No. 240/2010 for a period of time which, summed to the duration of the contract concerned by this call, exceeds a total of 12 consecutive or non-consecutive years. (For the above-said purposes, maternity leaves and health leaves according to the Italian law in force are not taken into account.);
- not to have been dismissed or relieved from their role in a Public Administration for consistently inadequate performance and not to have been dismissed or relieved from any public employment in accordance with Art. 127, letter d) of Presidential Decree No. 3 of 10.01.57;
g. not to hold penal judgment of conviction and not to have penal pending proceedings; moreover, they must declare they are not aware to be subjected to any criminal proceeding;

h. to be or not to be employed in a Public Administration;

i. to be aware that all communications regarding the selection will be published on SISSA’s website at the following link: https://www.sissa.it/recruitment?search=&status=All&area=All&posizione=3404

To all intents and purposes, the mentioned publication is equivalent to notification;

j. to be physically fit for recruitment.

Failure to declare one of the previous points in the application form will cause exclusion from the selection.

Italian candidates must also declare in the application under their own responsibility:
- that they are either registered on the electoral list in the city of residence, or no longer registered (please enlist the reasons of removal from the register/failure to register);
- that they met the obligations under national laws on military service, if applicable.

Foreign candidates must declare in the application under their own responsibility:
- that they enjoy full civil and political rights in their Country of origin or the reasons for exclusion;
- to have adequate knowledge of Italian language, although the teaching and research activities are held in English.

In the application, candidates must indicate the address where any communications are to be sent, their phone number, cell phone number, and e-mail address. Any change must be immediately communicated to this School.

Pursuant to Law No. 104 of 05.02.1992, disabled candidates must make an explicit request with respect to the necessary aid required in relation to their disability, indicating the possible need for extra time for the interview.

SISSA is not liable for misdirected communication due to incorrect residence or domicile information provided by candidates, or to missing or late notification of any changes thereof. The University Administration shall bear no responsibility for any postal or communication delays or third party delays due to fortuitous events or force majeure.

Candidates must also attach to the application:
1. a copy of a valid personal identity document;
2. a C.V. listing all research and teaching activities, their degrees and all other qualifications, which has to be dated, signed, and submitted by means of a declaration in lieu of affidavit (dichiarazione sostitutiva di atto di notorietà, i.e. a document in which they undersign that what is stated is true) using the attached Annex B;
3. a numbered list of the publications to be submitted following the procedures described in Art. 4 of this notice, which has to be dated and signed;

4. a maximum number of 12 publications (for publications issued in copy, attach the declaration in lieu of affidavit - Annex B);

5. a numbered list of all the qualifications which are thought to be relevant for selection purposes, which has to be dated and signed, and the qualifications themselves.

Citizens of the European Union can:

- self-certify the possession of qualifications using the declaration in lieu of affidavit (Annex B). If the degrees have been issued by a Public Administration, please note that they can be only self-certified by the candidate.

or

- submit an original copy of the qualifications, or valid certified copies by means of a declaration in lieu of affidavit, pursuant to articles 19 and 47 of Presidential Decree No. 445/2000; all documents and certifications issued in other languages (except English) must be translated into Italian by a recognized authority/Embassy or by an official translator.

Non-European Union foreign citizens in possession of a valid residence permit may submit an original copy of the qualifications, or valid certified copies. They can use the declaration in lieu of affidavit, like citizens of the European Union, only to prove status, facts and personal qualities which can be certified by Italian public institutions, or in application of international conventions between Italy and the country of origin of the applicant.

Non-European Union nationals without a residence permit may submit an original copy of the qualifications, or valid certified copies. Certificates issued in languages other than English by the competent authorities of the State of which the non-EU candidate holds citizenship, must be accompanied by a certified Italian translation, made by a recognized authority/Embassy or by an official translator. Our Administration may check the truthfulness of the contents of the declarations in lieu of affidavit.

No reference may be made to documents, qualifications and publications already submitted to SISSA or to other administrations for other procedures.

Art.4
Publications

Candidates are allowed to submit up to a maximum of 12 publications, which must be numbered in sequential order and bear the same number as in the publications' list mentioned in art. 3 of this public announcement. Publications must be submitted together with the application. Publications that are not submitted together with the application form and which do not respect the rules and the deadline indicated in this notice, although included in
the publications’ list, cannot be taken into consideration by the Evaluation Committee.

Only publications or texts accepted for publication according to existing regulations will be evaluated, as well as essays that are part of collective works and articles published in paper or digital journals, with the exclusion of internal documents and department reports. The doctoral thesis or final dissertation of equivalent qualifications shall be taken into consideration even if it does not comply with the above-mentioned conditions. For co-authored publications, the candidate may attach a declaration certifying his/her personal contribution. In absence of such declaration, the publication will be assessed as long as the candidate’s individual contribution and its coherence with the candidate’s overall scientific activity can be identified.

If the candidate submits more than twelve publications, the Committee will evaluate the first twelve items following the order on the list of publications submitted by the candidate.

Candidates may submit the original publications, valid certified copies or they can use the declaration in lieu of affidavit, self-declaring that the copy of the publications corresponds to the original. For works printed abroad, the date and place of publication must be included or, alternatively, the ISBN code or other equivalent. For works printed in Italy before 02.09.2006 all duties in accordance with Art. 1 of Decree No. 660 of 31.08.1945 must be fulfilled; for works published from 02.09.2006 all duties in accordance with Law No. 106 of 15.04.2006, and with the Presidential Decree No. 252 of 03.05.2006, must be fulfilled. The fulfilment of these obligations must be proven with specific supporting documents attached to the list of publications. Alternatively, it can be self-certified with a declaration in lieu of affidavit, in accordance with Art. 47 of Presidential Decree No. 445/2000.

Publications must be submitted in the original language and translated into one of the following: Italian, English, French, German or Spanish.

Art.5
Exclusion from the selection procedure
Candidates are admitted to the selection procedure with reserve, and can therefore be excluded due to unfulfillment of the requirements at any time through a Director’s decree. Candidates lacking the requirements listed in article 2 of this notice will be excluded from the selection.

Art.6
Constitution of the Evaluation Committee
The Evaluation Committee is appointed by the Director of SISSA, on a proposal from the Area that has requested the position. The Committee is composed of three professors and at least two of them must be chosen from other Italian or foreign universities or other research institutions.
The Committee will be appointed in accordance with current regulations on incompatibility and conflict of interest.

Art.7
Duties of the Evaluation Committee
The Committee predetermines the criteria for the evaluation of the C.V. and the scientific production of the candidates, which includes the PhD thesis, according to criteria and parameters recognized at an international level, as defined by Ministerial Decree No. 243 of 25.05.2011.
The criteria are published on the School’s website.
The Committee will proceed with the evaluation expressing a reasoned analytical judgment of the C.V. and the scientific production of the candidate.
All candidates will be admitted to the interview, if the total number of candidates is equal or less than six; otherwise, according to the results of the preliminary assessment, only the most qualified candidates will be admitted to the interview (in the measure of 10/20% of the total and, in any case, in a number not inferior to 6).
No written or oral examination is required, with the exception of an oral test to prove an adequate knowledge of the English language, given that SISSA is an International School. The oral test will take place during the discussion on qualifications and publications.
Till the end of the COVID-19 emergency situation, the meetings of the Evaluation Committee will be held using telematic devices. The Committee will have to meet via Skype (in conversation mode) or by using other telematic tools which can grant the actual participation of all the members, the simultaneity of decisions, the immediate possibility to access the acts, to intervene in the discussions, to exchange documents and approve reports.
At the end of the procedure, the Committee identifies the most qualified candidate for the position.

Art.8
Interviews schedule
The interviews will be held online on November 16th, 2021.
A schedule of the interviews of the eligible candidates will be published on SISSA website at the following link:
https://www.sissa.it/recruitment?search=&status=3510&area=3362&posizione=3404.
To all intents and purposes, the publication is equivalent to notification. No private notifications to candidates are envisioned.
The interviews will take place by using telematic tools, with audio and video connection among the Evaluation Committee and candidates so as to ensure the actual participation of and an effective interaction among Committee members and the candidate, with clear mutual comprehension and suitable methods of identification of the candidates.
Therefore, candidates admitted to the interview are expected to ensure that for the interview they will be equipped with a webcam – which is mandatory for identification purposes – microphone, speakers and/or headphones. At the
beginning of the online interview, candidates must exhibit the same identification document sent with the application.

Art. 9
Verification of regularity of acts
The acts of the Committee consist of all the reports of the Committee, including the judgements expressed on each candidate’s qualifications, C.V. and scientific production, and a final report on the work carried out by the Committee. The Director verifies the regularity of the acts within thirty days from the submission of the documents by the Committee. If the verification has a positive outcome, the Director approves the Committee acts through a decree. If faults are identified, the Director sends the acts back to the Committee and indicates a deadline for their regularization.

All the acts regarding the procedure, including the report of the Committee on its work, and the judgements on each candidate are published on SISSA’s website. The School Council proposes the call of the candidate selected by the Committee to the Board of Directors. The proposal is adopted through a resolution with positive vote of the absolute majority of the Full professors and Associate professors (professori di prima e seconda fascia). The Board of Directors decrees on the call of the candidate selected by the Committee.

Art. 10
Constitution of employment
The contract of employment is signed by the researcher and the Director. The date on which the researcher will start his/her activity is communicated in writing by the Physics Area Council to the Administration.

In compliance with Ministerial Decree No. 1062 of 1.08.2021, researchers with fixed-term contracts (ricercatore a tempo determinato) have to carry out their research activity in a company for a period of at least six and no more than twelve months, within their three-year contract. Failure to comply with the minimum timeframe required will result in the cancellation of the contract.

The researcher will have to sign a declaration stating:
- the commitment to actually carry out the compulsory research period in an enterprise (for at least 6 and no more than 12 months), stating that he/she is aware that failure to respect the minimum period of activity in the company will result in the cancellation of the research contract;
- to be aware that the initiative is co-financed by the European Social Fund REACT EU - National Operational Programme on Research and Innovation 2014-2020, through the Ministry of University and Research;
- to be aware that failure to comply with the provisions of Ministerial Decree No. 1062 of 10.08.2021 on the allocation of resources will result in the cancellation of the approved project and full reimbursement of the amounts received;
- to be aware that any change in the project objectives and expected results (where not previously authorised by the Ministry of University and Research)
will result in the cancellation of the approved project and full reimbursement of the amounts received.

Given that the School shall report to the Ministry of University and Research every two months, the researcher shall submit a report indicating the time commitment and a summary of the main activities carried out.

Upon signature of the full-time fixed-term contract, the Administration will ask the researcher to submit the documentation required by law within 30 days.

All employment conditions are in accordance with the current laws in force also in regard to tax treatment, welfare and social security. The annual gross salary of the researcher employed on a full-time fixed-term contract in accordance with Art. 24, paragraph 3, letter (a) of Art.24 of Law No. 240/10, is equivalent to the initial salary due to a full-time confirmed researcher (ricercatore confermato).

The research and teaching activities carried out by the researcher shall be in accordance with the contract, with the rules and codes of the School, and with the programming of the governing bodies of the School.

For anything that is not expressly covered in the present announcement, reference shall be made to the norms of Book V of the Italian Civil Code and current legislation on employment, with particular reference to Legislative Decree No. 165 of 30.03.2001 "General rules on the organization of employment by public authorities".

For all disciplinary issues please refer to Art. 10 of Law No. 240/2010.

The research and teaching activities of a researcher holding a contract in accordance with Art. 3, paragraph 1, letter a), of Law No. 240/2010 are evaluated six months before the expiry of the contract. The assessment of the teaching and research activities takes place in accordance with the terms, criteria and parameters set out by Ministerial Decree No. 242/2011.

Art. 11
Prohibition of overlapping - incompatibility

The position of researcher on a fixed-term contract with SISSA is incompatible with any employment relationship, even if part-time.

Notwithstanding Art. 53 of Legislative Decree No. 165 of 30.03.2001, a fixed-term research contract cannot be held while receiving other fellowships for a PhD course, research fellowships (assegni di ricerca) ex Art. 22 of Law No. 240/10, or other fellowships of whatever kind. The holder of the contract cannot simultaneously hold other fixed-term contracts with SISSA or with other universities.

Art. 12
Termination of employment

Termination of employment occurs upon expiry of the contract or withdrawal of one of the parties. If the selection procedure is revoked, the contract is terminated in any case.

During the first two months, each party may terminate the contract at any time without prior notice and without penalties involving the recovery or the failure to
pay the salary for the period of notice not given. The contract ends when the other party receives the notice of termination. Termination by the School must be duly motivated. After the above-mentioned period of time, in case of resignation the researcher must give at least a 30-day notice, by sending a written communication to the School's Director. Failure to do so shall result in a penalty involving the recovery or the failure to pay the salary for the period of notice not given.

In accordance with Art. 2119 of the Italian Civil Code, each of the parties may terminate the contract in presence of an event, even if temporary, which does not allow the continuation of the contract. The Administration may, in addition, withdraw from the contract for lawful dismissal for misconduct.

Art. 13
Personal Data Handling
The personal data provided by candidates with the application to participate in the selection procedure will be collected and processed for the sole purposes connected with the selection procedure and the eventual management of the employment contact.

The provision of data is compulsory and necessary in order to allow the proper completion of the selection process.

The same information may be communicated only to public administrations directly concerned with the legal and economic position of the hired candidate.

At any time, the candidates may exercise their rights under Legislative Decree No. 196 of 30.06.2003 (Personal Data Protection Code) as amended by Legislative Decree No. 101 of 10.08.2018, which transposes Regulation (EU) 2016/679 (GDPR).

Art. 14
Head of the procedures
The Head of the procedures is Dr. Alessandra Lucatello, Category EP of this Administration (fax: +39 040 3787240; e-mail: concorsi.doc@sissa.it).

Art. 15
Final Provisions
For anything that is not expressly covered in the present notice and mutatis mutandis, reference shall be made to the University legislation in force, and in particular to SISSA’s Regulation on selection and management of the employment relationship of university researchers with a fixed-term contract, in accordance with the provisions of Art.24, Law No. 240 of 30.12.10, and to the legislation regarding employment in public administrations.

THE DIRECTOR
f.ro prof. Stefano Ruffo