

PUBLIC SELECTION FOR ONE TENURE-TRACK – PROBATIONARY, ASSISTANT PROFESSOR (RICERCATORE A TEMPO DETERMINATO) WITH FULL TIME TEMPORARY CONTRACT PURSUANT TO ITALIAN LAW NO. 240/2010, ART. 24 PARAGRAPH 3 LETTER B, AS FORMULATED BEFORE THE ENTRY INTO FORCE OF THE LAW 79/2022 AT THE ACADEMIC FACULTY OF EXPERIMENTAL AND APPLIED SCIENCES AND THE INSTITUTE OF MECHANICAL INTELLIGENCE IN THE ACADEMIC RECRUITMENT FIELD THE ACADEMIC RECRUITMENT FIELD “EXPERIMENTAL PHYSICS OF MATTER” (SC 02/B1) – ACADEMIC DISCIPLINE “PHYSICS OF MATTER” (SSD FIS/03).ISSUED BY RECTOR’S DECREE 224 OF MARCH 29, 2023

MINUTE OF THE PRELIMINARY MEETING

The Evaluation Committee for the selection of one tenure-track – probationary, assistant professor (ricercatore a tempo determinato) for the Academic Recruitment Field “Experimental Physics of Matter” (SC 02/B1) – Academic Discipline “Physics of Matter” (SSD FIS/03) - at the Academic Faculty of Experimental and Applied Sciences – Institute of Mechanical Intelligence of the Sant’Anna School of Advanced Studies - Pisa pursuant to Italian Law No. 240/2010, Art. 24 paragraph 3 letter B, as formulated before the entry into force of the Law 79/2022, appointed by Rector’s decree No. 346 of May, 23 2023, consists of:

- Prof. Maria Fittipaldi, Associate Professor of the Academic Recruitment Field 02/B1 “Experimental Physics of Matter” at the University of Florence;
- Prof. Odile Liboiron-Ladouceur, Associate Professor at the McGill University;
- Prof. Lorenzo Pavesi, Full Professor of the Academic Recruitment Field 02/B1 “Experimental Physics of Matter” at the University of Trento, designated member by the Institute of Mechanical Intelligence.

The Committee convened for the first time, via teleconference, on 06/06/2023, at 7 pm (Italian time) from the following locations:

Prof. Fittipaldi located in Sesto Fiorentino, connected via google meet.

Prof. Liboiron-Ladouceur located in Montreal (CA), connected via google meet.

Prof. Pavesi located in Povo (TN) , connected via google meet.

The draft of the following minute was agreed on and approved by the members of the Committee.

Prof. Pavesi was nominated as Chairperson and Prof. Fittipaldi was nominated as Secretary.

Pursuant to Art. 5 paragraph 2 of Legislative Decree No. 1172/1948, each member declared to have no kinship or affinity up to the fourth grade with any of the other members and that there are not reasons for abstention in relation to art. 51 of c.p.c.

The Committee reviewed the call (published on the School website <https://www.santannapisa.it/it/selezioni/selezione-pubblica-la-stipula-di-tre-contratti-di-ricercatorericercatrice-tempo> as well as the Regulations of the School regarding the recruitment for tenure-track – probationary, assistant professors (Art. 24 paragraph 3 letter B).

The Committee then adopted a motion that the Committee's work should terminate by October, 13, 2023.

The Committee ascertained that Human Resources Office has communicated that four applications have been received and that the four candidates have been admitted to the public interview.

The selection will be effected by means of a public interview about the qualifications, the publications and the research projects submitted by the applicants. During the public interview, the Committee will also assess the level of knowledge of the English language.

After the public interview, the Committee will attribute a score to the qualifications, to every publication submitted and to the overall scientific production of the candidates, including the research project, according to the parameters established by Ministerial Decree 243/2011 and to the criteria assessed in the present meeting.

The winner will be declared on the basis of the scores obtained.

Then the Committee assessed the criteria for the score attribution to the qualifications, to every publication submitted and to the overall scientific production of the candidates, according to the parameters established by Ministerial Decree 243/2011 and taking into account the minimum score for the proper assessment.

Criteria for the score attribution on the basis of the interview

The Committee will assign a maximum score of 100, allocated as follows:

QUALIFICATIONS - maximum score of 40 out of 100, allocated as follows:

- a) PhD or equivalent, awarded in Italy or abroad: up to 8 points depending on the congruence with the recruitment field, the period spent abroad and the relevance of the results.
- b) teaching activities at university level in Italy or abroad: up to 8 points depending on the course responsibility, the number of teaching courses and the duration of the same.
- c) documented training or research activities carried out in qualified institutes in Italy or abroad: up to 4 points for each year of fellowships (excluded the PhD study period).
- d) project activities as regards to the academic recruitment fields where applicable: up to 6 point depending on the number, the responsibilities (PI, WP leader, task leader), the project duration (in unit of full year), the assigning agency and the international nature of the project.
- e) organization, management and coordination in national and international research groups: up to 4 points depending on the number of years and the relevance to the academic recruitment field.
- f) ownership of patents as regards the academic recruitment fields where applicable: up to 4 points depending on the number of patents, the status of the patents (filed, granted, licensed) and the relevance for the academic recruitment field.
- g) participation as a speaker in national and international conferences: up to 4 points depending on the kind of presentation (plenary, invited, contributed, poster), the nature of the conferences (national workshop, international workshop, national conference, international conference, school) and the number of the same
- h) national and international awards for research activities: up to 2 points depending on the number, the nature and the national or international delivering society.

The Committee will assign a score to each abovementioned item in relation to its significance in terms of quantity and quality of the research activities carried out by the candidate.

PUBLICATIONS - maximum score of 30 out of 100

Publications will be assessed along with texts accepted for publication in accordance with regulations as well as the essays included in collective works and articles published in journals in paper or digital format, with the exception of internal notes or departmental reports; the PhD or equivalent thesis will be assessed too, even though unpublished.

The evaluation of scientific publications will be carried out on the basis of the following additional criteria:

- a) originality, innovation, methodological rigor and relevance of each publication;
- b) coherence of each publication with the academic recruitment field and with the specific profile of the call, or with closely related interdisciplinary subjects;
- c) scientific relevance of each journal / publisher and its impact factor within the scientific community;
- d) analytical determination, on the basis of guidelines recognized by the relevant international scientific community of the individual contribution of the researcher in the case of works carried out in partnership;

The Committee, balancing the scores, in the case of works carried out in partnership, shall pay particular attention to the individual contribution of the researcher, considered also in terms of originality, innovation, methodological rigor and relevance of each publication.

Moreover, assessing the publications, in sectors where international use is consolidated, the Committee decided to make use of the following indicators (among those listed in the Italian Ministerial Decree 243/2011, Art. 4 paragraph 4), with reference to the start date of the assessment:

- a) average number of citations per year of each publication;
- b) the impact factor of each publication;

For each publication, a maximum score of 2.5 points will be assigned based on the above-mentioned criteria.

OVERALL CONSISTENCY OF THE SCIENTIFIC PRODUCTION - maximum score of 30 out of 100 of which points 20 to be reserved for the evaluation of the research project

The Committee shall also assess the overall consistency of the scientific production of the researcher, the intensity and the temporal continuity of such production, with the exception of periods of involuntary removal from the research with particular reference to parental functions – such periods should be adequately documented.

The Committee will evaluate the research project with the following criteria: novelty (maximum score of 8 points), feasibility (maximum score of 6 points) and relevance for the Academic Recruitment Field “Experimental Physics of Matter” (SC 02/B1) – Academic Discipline “Physics of Matter” (SSD FIS/03) (maximum score of 6 points).

In order to be eligible for the position, the applicants shall score a number of points equal or greater than 60.

The Committee decided that the maximum duration of the public interview with the candidates shall not exceed 20 minutes; during the interview, the Committee will also evaluate the level of knowledge of the English language using a summary assessment (i.e. not sufficient – basic – good – very good – excellent). According to the art. 2 of the call, the candidates must have an excellent knowledge of both written and spoken English.

For the assessment of the level of knowledge of the English language, the candidates will be asked to read and translate a passage from an English text related to the topics of the selection and the interview will be conducted in English.

The Committee ascertained that on May 31, 2023 has been notified on the web site of the School that the publication of the date of the interview and the list of admitted candidates has been postponed to June 12, 2023 and decided that the interview will be in Pisa on July 4, at 4.30 pm.

The Committee decided to reconvene on June 7, at 6.30 p.m. in order to know the list of the candidates.

At the end of the meeting, the Committee decided that the Secretary would send a signed copy of this agreed minute to Staff Office, together with the declarations of approval by the other members of the Committee. These declarations form an integral part of this agreed minute.

The meeting was adjourned at 8 pm.

THE COMMITTEE

The Secretary

prof. Maria Fittipaldi