

SELECTION OF ONE PROFESSOR (LEVEL 1), FOR ACADEMIC RECRUITMENT FIELD 09/A2 “APPLIED MECHANICS” AT THE INSTITUTE OF MECHANICAL INTELLIGENCE (IIM) - ACADEMIC CLASS OF EXPERIMENTAL AND APPLIED SCIENCES, RESERVED, PURSUANT TO ART. 24, SUBSECTION 6, OF ITALIAN LAW 240/2010, FOR ASSOCIATE PROFESSORS EMPLOYED AT THE SCHOOL, ISSUED BY RECTOR DECREE. NO. 80 DATED 13/02/2024.

MINUTES OF THE PRELIMINARY MEETING

The Review Committee for the selection of one professor (level 1) for the Academic Recruitment Field 09/A2 “Applied Mechanics” at the Institute of Mechanical Intelligence (IIM) of the Scuola Superiore di Studi Universitari e di Perfezionamento Sant’Anna di Pisa, reserved for associate professors employed at the School to be selected pursuant to art. 24, subsection 6 of the Italian law 240/2010, nominated by decree No 313 dated 30/05/2024 by the Rector, that consists of:

- Prof. Giorgio Dalpiaz, Full Professor of Academic Recruitment Field 09/A2 “Applied Mechanics” at the University of Ferrara, as expert designated by the Institute of Mechanical Intelligence (IIM);
- Prof. Pietro Fanghella, Full Professor of Academic Recruitment Field 09/A2 “Applied Mechanics” at the University of Genova;
- Prof. Doina Pislă, Full Professor at the Technical University of Cluj-Napoca, Romania), as foreign expert designated by the Rector;
- Prof. Giulio Reina, Full Professor of Academic Recruitment Field 09/A2 “Applied Mechanics” at the Polytechnic of Bari;
- Prof Yukio Takeda, Full Professor at the Tokyo Institute of Technology;

convened for the first time, via teleconference, on July 11, 2024, at 9:15 a.m. from the following locations:

Prof. Dalpiaz located in Pianoro (BO), connected via Google Meet;

Prof. Fanghella located in Genova, connected via Google Meet;

Prof. Pislă located in Cluj-Napoca, connected via Google Meet;

Prof. Reina located in Bari, connected via Google Meet;

Prof. Takeda located in Tokyo, connected via Google Meet.

The draft of the minutes that follows, was agreed on and approved by members of the Committee.

Prof. Dalpiaz was nominated as Chairperson and Prof. Reina as Secretary.

Pursuant to art. 5 paragraph 2 of Legislative Decree no. 1172/1948, each member declared that they had no kinship or affinity up to the fourth grade with any of the other members and that there

were no reasons for abstention in relation to art. 51 of c.p.c.

The Committee then reviewed the call (published on the School website - <https://www.santannapisa.it/it/selezioni/selezioni-la-copertura-di-due-posizioni-di-professoreessa-di-prima-fascia-riservate>) as well as Regulations of the School that regard calls for level 1 and level 2 professors (Arts. 18 and 24 of Law 240/2010- <https://www.santannapisa.it/sites/default/files/2023-11/Regolamento%20per%20la%20disciplina%20della%20chiamata.pdf>), and carried a motion that the committee's work should terminate by September, 30, 2024. The Committee ascertained that Personnel Office communicated that two applications have been received.

The Committee agreed that the aim of the present meeting was to assess the criteria with which the publications the curricula and teaching activities of the candidates will be evaluated and published on the School's website.

In accordance with Italian Ministerial Decree 344/2011, the following shall be assessed: educational activities, supplementary teaching and service to students, as well as the research activities carried out by the researcher.

The Commission will assess the researcher according to the parameters established by Ministerial Decree 344/2011, in relation to the compliance of the scientific profile with the "general criteria of qualification" for teaching and research required for access to didactic positions at the school, and set out in Annex 1¹ to the call, established by the Commission for recruitment, according to the following general criteria:

¹ Teaching and Research qualification criteria, specifically requested by the Sant'Anna School:

Research Activity skills: the candidates must hold an outstanding ranking in their discipline in terms of quantity and quality of scientific publications; bibliometric criteria may be used if relevant for the scientific area.

Candidates must submit a document containing a self-assessment of their scientific productions in the international context. In this document they must explain their strength by comparison with the best-known colleagues' production and highlighting their relationships and their scientific reputation in the international research networks.

Teaching Activity skills: Having accumulated national and international teaching experience and having taught post-graduate courses and, in particular, in doctoral and PhD programmes and having achieved an student evaluation of teaching above-average of the evaluation of the teaching personnel of the Sant'Anna School will be an award of merit. Proven ability to supervise theses, in particular, doctoral and PhD theses, will also be a merit title.

Participation in research projects: candidates are required to have been involved in research projects funded through competitive calls e.g. European ERC grants, "Framework Programs" (eg, Networks of Excellence, FET, Integrated Projects, *STReP*, etc) *Erasmus+ Programme*, Marie Curie actions, as well as national funding agencies. Ability in fundraising is welcome.

Publishing activity: the roles of editor and associate editor of scientific journals, editor of book series and other publishing activities or leadership roles in scientific associations hold by the candidates will be considered for the purpose of the selections.

- the scientific profile of the candidate with reference to the best national and international standards, and in particular as regards scientific production;
- organization, management and coordination of research groups and participation in national and international research projects;
- scientific collaboration with other universities and with public and private organizations both in Italy and abroad;
- didactic activity including teaching in and coordinating training programs of high- quality research at universities and colleges, with particular attention to experience abroad or in international contexts;
- institutional services, technology transfer activities and activities having societal impact (third mission), patent filing, contribution to standardization.

The Committee then establishes the criteria that it adopts for the evaluation of scientific publications, curriculum and teaching experience of the applicants:

1. For the assessment of teaching, supplementary teaching and service to students, the Commission will take account of:

- a) number of courses and modules taught, at national and international level, and continuity of teaching activities;
- b) results of official feedback from students on the modules / courses taught;
- c) coordination of teaching and/or training activities, and participation in committees set up for the exams and / or committees on student progress/direction;
- d) quantity and quality of seminars, regarding both tutorials and mentoring of students, including activities relating to the preparation of theses for Master's degree and PhD.

2. 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 overall consistency of the scientific production of the researcher shall be assessed, 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 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 specific profile of a university professor of the first level (full professor) with closely related interdisciplinary subjects;

c) scientific relevance of each journal / publisher and its recognition within the scientific community;
d) 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.

Moreover, the Commission will also make use of bibliometric indicators including total citations and Hirsch Index (or similar combined metrics), drawn from Scopus database with reference to the start date of the assessment.

3. In the assessment of the scientific research, the Commission will take account of:

- a) organization, leadership, coordination or participation with leading roles in national and international research groups;
- b) scientific responsibility or coordination of research projects funded on competitive calls as European projects, other international projects, national and regional competitive projects;
- c) participation as invited speaker in national and international conferences;
- d) national and international awards for research activities;
- e) role as editor or associate editor of journals;
- f) any ownership of patents, other significant technology transfer achievements, and other activities related to the third mission.

The Commission will pay particular attention to the scientific output produced by the candidates after the date of expiry of the call under which they obtained eligibility ("Abilitazione") in order to check the continuity of their scientific production.

The Committee decides to reconvene on July 18, 2024 at 9:15 a.m. in order to review the name of candidates, which will be sent by the Personnel Office after the publication of these minutes on the website.

At the end of the meeting, the Chairperson will sign the minutes and will send them to the Personnel Office who will then make public the criteria and procedures for the assessment of publications and qualifications.

The attached declarations of the Committee's members will be sent the Personnel Office too.

The meeting was adjourned at 10:25 a.m.

Read, approved and signed,

The Chairperson

Prof. Giorgio Dalpiaz
