ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA | PERSONNEL DIVISION

THE DIRECTOR

Comparative Evaluation Procedure Based on Qualifications and Public Discussion for the Recruitment of 1 Position as Tenure Track Assistant Professor (RTT), pursuant to Article 24 of Law No. 240 of December 30, 2010, as amended by Law No. 79 of June 29, 2022, for the Disciplinary Scientific Group 09/IINF-02 and the Disciplinary Scientific Sector IINF-02/A - Electromagnetic Fields

Whereas on April 23, 2025, the Board of Directors approved the first round of planning for the recruitment of teaching staff for the year 2025, and during that session the teaching and research needs presented by the Department of Electrical, Electronic and Information Engineering “Guglielmo Marconi” (DEI) were highlighted, which led to the request to activate the position subject to this selection;

Having regard to the regulations referred to in Article 13 of this notice;

Recalling the resolution of the Department Council of Electrical, Electronic and Information Engineering “Guglielmo Marconi” (DEI) dated March 12, 2025, requesting the activation of a fixed-term Tenure Track researcher position (RTT), Scientific Group 09/IINF-02 – Electromagnetic Fields and Scientific-Disciplinary Sector IINF-02/A – Electromagnetic Fields;

Recalling the resolution of the Board of Directors dated April 23, 2025, approving the departmental request;

Recalling the resolution of the Department Council of Electrical, Electronic and Information Engineering “Guglielmo Marconi” (DEI) dated May 15, 2025, postponing the selection procedure for the position to the second recruitment round of 2025;

Recalling the resolution of the Department Council of Electrical, Electronic and Information Engineering “Guglielmo Marconi” (DEI) dated October 16, 2025, defining the essential elements for the publication of a public selection notice;

Considering that the aforementioned teaching and research needs presented by the Department of Electrical, Electronic and Information Engineering “Guglielmo Marconi” (DEI) can be met through the initiation of a public selection procedure;

ORDERS

Art. 1 – Purpose

A procedure of comparative evaluation by qualifications and public discussion is called for the recruitment of one position for Tenured Assistant Professor with a fixed-term full-time employment contract, pursuant to art. 24, paragraph 3, of Law no. 240/2010, Academic Recruitment Field reference 09/IINF-02 and the Disciplinary Scientific Sector IINF-02/A - Electromagnetic Fields.

The job is activated for the needs of research and study of the Department of Electrical, Electronic and Information Engineering "Guglielmo Marconi" - DEI of the Alma Mater Studiorum - University of Bologna. Serving primarily at the Department of Electrical, Electronic and Information Engineering "Guglielmo Marconi" - DEI, in Cesena.

The contract shall last six years. A gross annual salary of € 39.224,00 will be granted to the Assistant Professor. The annual increase in this amount will be calculated according to the existing procedure for non-contracted personnel.

Art. 2 – Activities to be performed

The contract includes 350 hours of supplementary teaching and assistance to students, for each academic year covered by the contract. The contract shall schedule 60 hours of frontal teaching on annual basis.

Concerning the provisions of art. 11 of the Regulation issued by Rectoral Decree no. 151 of 3rd February 2023 and amendments, the assistant professor's activities must be linked to the development of the project: "Design and characterization of microwave and millimeter-wave devices and systems for biomedical and industrial applications".

Brief description of the activities. Study, design, and experimental characterization of new miniaturized microwave and millimeter-wave devices with energy autonomy, communication and sensing capabilities, with applications in harsh industrial and e-health environments. Devices for powering through radiated radiofrequency energy will be developed based on innovative radiating systems whose near-field radiative capabilities allow for focusing and localizing EM energy. Predictive models, based on EM simulations and extensive measurement campaigns, will also be developed to determine the optimal placement of these sources. Achieving the above objectives will require the expert use of multi-domain (circuital/electromagnetic) and propagation environment simulation tools.

Objectves of the research program. The project aims to develop a clear and accurate methodological path for modeling the systems described above, leading to their prototyping and experimental validation. To this end, the project will design entire miniaturized wireless sensor nodes, including dedicated antennas and highly reconfigurable radiating systems. At the same time, a tool based on predictive electromagnetic models of selected environments will be developed, allowing for the optimal placement of the designed systems and their sources. The scientific validity of the project will be supported by publication of the results in specialized journals and the proceedings of major conferences in the field.

Art. 3 - Admission Requirements

Candidates, including citizens of non-European Union countries, holding a Ph.D. or equivalent degree obtained in Italy or abroad, are eligible for selection.

The degree must be possessed by the deadline for submitting applications for admission to this selection process.

In the case of a Ph.D. obtained abroad, the following alternatives are necessary:

1. Attach the academic recognition decree of the degree (issued pursuant to art. 74 of Legislative Decree No. 382/1980, ex equivalency, or art. 38 of Legislative Decree No. 165/2001), for those who already possess it by the deadline of the call;
2. Request the University of Bologna, at the time of application, the recognition procedure of the foreign degree pursuant to art. 38 paragraph 3.2 of Legislative Decree No. 165/2001. In this case, the candidate undertakes to transmit, if successful in the procedure, the necessary documentation to the University's fixed-term researchers office by email, certified mail, or physical mail.
3. Request from the Ministry of University and Research (MUR) the non-academic recognition measure of the foreign degree for participation in competitions for researcher positions in Universities and public research institutions, pursuant to and for the purposes of Legislative Decree No. 206/2007 - as amended

by Legislative Decree No. 15/2016 (for EU titles) - and Legislative Decree No. 394/99, art. 49 (for non-EU titles) and attach, at the time of application, the receipt of successful submission of the request.

Pending the issuance of the measure referred to in points 2 or 3, it is possible to participate in the competition by being admitted with a reserve.

For more information on the recognition procedures for foreign degrees, please consult the University's web page regarding "Recognition of a foreign degree".

The recognition measure of the foreign degree must in any case be submitted to the Administration before taking up duty.

University professors of first and second tier and researchers already employed indefinitely, even if no longer in service, as well as individuals who have already benefited, for at least three years, from the contracts specified in this notice, are not eligible for selection.

Also, individuals who have a degree of kinship or affinity up to the fourth degree inclusive with a professor belonging to the Department or Structure proposing the activation of the contract or with the Rector, or with the General Director, or with a member of the University's Board of Directors, are not eligible to participate in the selections.

Public administration employees are placed on leave for the entire duration of the contract, without salary or social security contributions, or in a position outside their role in cases where such a position is provided for by the relevant regulations, likewise without salary or social security contributions.

Art. 4 – Application procedure

The submission of the application for participation in the selection must be made exclusively via electronic procedure by accessing the following link: https://pica.cineca.it/unibo/

Call deadline: February 24, 2026 at 12:00 (noon, Italian Time).

The application must be submitted at the same time with the insertion of all the attached documentation required.

In the online procedure, the documents described below must be attached, preferably in PDF format (other formats such as JPG, BMP, PNG). For reference letters only, it is not necessary to attach the documents directly but to request their upload by the referee indicated as specified in the following number 3:

1. identification document scanned (10MB max);
2. curriculum vitae with indication of the scientific-professional activity and accompanied by a declaration of possession of each qualification specified therein (10MB max);
3. Any reference letters, up to a maximum of three. Note: Direct uploading of the letters is not required. Once the application is submitted, the option to request reference letters will be activated by providing the email address of the professor from whom the letter is requested. The system will automatically send a request email to the referee with the candidate's details and the competition procedure. The referee will not need to register but will access the page indicated in the same email by selecting the provided link. On the page, they can upload their reference letter, no later than the application deadline;
4. scientific publications (max 12: other supported files are TIFF and PS, 20MB max each document) which are already printed at the date of the call of application deadline, or scientific publications accepted for printed, together with the publisher acceptance letter. While uploading each document will be asked to

indicate the title, the authors' names, the publisher, the year of publication. Optional information are the month, the ISBN code, the DOI code, the booklet number.

Pursuant to Ministerial Decree 243/11, the PhD thesis is considered a publication, and thus if presented by the candidate it shall be included in the maximum number indicated (12).

While applying, applicants shall declare under their own responsibility:

1. surname and name;
2. place and date of birth;
3. citizenship;
4. residence address;
5. (if Italian citizens) registration to electoral rolls. If any, the reasons why he/she is not registered or cancelled from them;
6. that there have not been any criminal proceeding against them or current criminal proceedings; otherwise, applicants shall specify the proceedings against them (the date of the record and the judicial authority that issued it) and pending penal proceedings. The existence of a previous criminal conviction is not in itself an impediment to hiring, unless it is a conviction for a crime that prevents the establishment of the employment relationship with the public administration as it derives from the interdiction from public office, o the inability to contract with the public administration, or the termination of the employment relationship (articles 28, 29, 32-ter, 32-quater, 32-quinquies of the Criminal Code, articles 3,4, 5, L . 97 of March 27, 2001). In other cases, the Administration will ascertain the gravity of the criminally relevant facts committed by the person concerned, for the purposes of access to public employment. This check is carried out with the aim of ascertaining the existence of the fiduciary element which constitutes the fundamental prerequisite of the relationship between employer and worker, as well as for the purpose of assessing the existence of the requisites of moral suitability and aptitude to carry out activities as a public employee;
7. to have or not to have benefited of non-voluntary leave periods due to maternity/paternity compulsory abstention or for serious health reasons, indicating the periods in case
8. possession of the qualification required pursuant to Art. 3 of this call for application and the mark obtained, if any;
9. to be fit to the employment the selection refers to;
10. that they are not, nor have been, professors, associate professors or researchers with tenure, even if not in service, nor to have been tenure track fixed-term assistant professors for at least three years;
11. that they are not related by blood up to the fourth degree, to any professor working in the Department or in the Structure that proposed the activation of the contract, or to the Rector, Director General or a member of the Board of Governors of the University of Bologna;
12. elected e-mail address for the purpose of the participation in this contest;
13. Foreign citizens shall also declare to have a proper knowledge of Italian and to enjoy civil and political rights also in their origin countries or the reasons for loss of enjoyment;
14. to have attended, or not to have attended, for at least thirty-six months, even cumulatively, PhD courses or carried out research activities on the basis of the formal assignment of positions, excluding free-of-charge activities, at other universities or research institutes, either in Italy or abroad;

15. to have been, or not to have been, for at least thirty-six months, holder of "junior" (type a) fixed-term assistant professor contracts or holder of one or more research grants under article 22 of the law of 30 December 2010, n. 240.

Any modification shall be timely communicated to the "Ricercatori a tempo determinato" Office.
In the event of technical problems, you can contact Cineca Support. Details can be found at the bottom of web page https://pica.cineca.it/unibo/.

Art. 5 – Applicants' obligations

The penalty of exclusion from the selection shall apply in the following cases:

- Non-compliance with the terms established for posting the application form;
- Lack of the requirement pursuant to art. 3 of the present call for application (qualification).

All applicants shall be admitted to the selection and the Administration reserves the right to check that they actually are in possession of the requirements necessary to apply for the selection; the Administration may, at any time and even after the exams, order the exclusion from the selection hereto.

Art. 6 – Selection Board

The Selection Board will be appointed upon administration resolution and is composed of three full or associate professors belonging to the competition Scientific sector or, alternatively, to the same competition macro-sector for which the procedure is announced or of equivalent role in the case of components not coming from national universities, identified by the Department that proposed the activation of the contract. Two of the members, external to the University, are drawn with the methods provided by the art. 8-bis of the "Regolamento per la disciplina delle chiamate dei Professori di Prima e Seconda fascia", issued with DR 977/2013 and s.m., in application of articles 18 and 24 of the Law 240/2010. A third component is identified by the Department Council among the professors inside or outside the University.
As envisaged by art. 57 of Legislative Decree 165/2001, in order to guarantee equal opportunities between men and women for the access to work and work treatment, generally, at least one member is female.
The Selection Board appoints a president and a recording secretary between their members.
Notice of the appointment of the will be published on Alma Mater Studiorum - University of Bologna website.

Art. 7 – Selection procedure

The selection procedure is carried out by the Selection Board after a preliminary evaluation of each candidate's qualifications, curriculum and scientific production, including the doctoral thesis, according to the criterion identified by the MUIR in D.M. 243/2011.
The candidates chosen in the preliminary evaluation based on their comparative merits - between 10 and 20% of the number of applicants and not less than 6 - will then be called for interview. The interview will consist of a discussion of the candidate's qualifications and scientific production and may take the form of a seminar open to the public. If the total number of candidates is 6 or less all candidates will be interviewed.
Any reference letters produced by the candidates will also be considered.
The discussion will take place in Italian. During the discussion, candidates must demonstrate adequate knowledge of the English language.
The discussion with the Selection Board will be carried out in public form and will be held in presence or electronically using the audio and video teleconferencing tool via the Teams platform (the workstation from

which candidates will take the interview must be equipped with a webcam - essential for the recognition of the candidate - microphone and headphones and/or audio speakers).

Notice of the day, time and methods of conducting the public discussion (whether in presence or electronically via Teams) as well as the list of admitted candidates will be published at least 15 days before the discussion on the University website at: https://bandi.unibo.it/docenti/rtd.

The publication on the University website will constitute official notification to all applicants, without any obligation for any further communication.

The publication will be communicated by e-mail to the address indicated by the candidates in the application. The Alma Mater Studiorum - University of Bologna does not assume any responsibility for the non-receipt or the not-read of the e-mail.

It is up to candidates to keep themselves informed by consulting the University website page to find necessary information about selection.

Candidates attending the interview must bring a valid identification document with them.

EU citizens shall bring their passport or an identity document issued by their country of origin. Non-EU citizens shall bring their passport.

Art. 8 – Ranking list and call proposal

At the end of the exams, the Selection Board draws up the merit ranking list. In case of equal merit, priority is determined by younger age.

The general merit ranking list is approved pursuant to an administration resolution and will be published in Alma Mater Studiorum – University of Bologna Online Albus. The ranking list is valid for six months.

The terms to raise any appeal shall start from the date of publication of said notice, in case the resolution has not been otherwise disclosed.

The use of the ranking is bound to the study and research needs related to the SSD foreseen by the call.

The Department of Electrical, Electronic and Information Engineering "Guglielmo Marconi" - DEI, will propose the recruitment by a majority vote of the professors and associate professors of the Department and approved by the Board of Governors.

Furthermore, the Department will propose the effective date of the contract, which must be signed within the peremptory term of 90 days from the date of approval of the procedure documents.

Art. 9 – Employment procedures

Following the conclusion of the recruitment procedure referred to in art. 8, the candidates will be asked to sign a fixed-term contract of full-time employment. The contract must be signed within the peremptory term of 90 days from the date of approval of the procedure acts.

The employment relationship is governed by a personal contract, statutory laws and UE regulations.

The personal contract shall specify any reasons for which it might be terminated, as well as the relevant periods of notice. In any case the contract will be terminated immediately and without notice in the event of the cancellation of the recruitment procedure to which it is inalienably linked.

The trial period shall last three months. At the end of the period, unless the employment relationship has been terminated by either of the parties, the employee is confirmed for service and the whole period worked from the beginning of the contract shall be calculated for seniority purposes.

Art. 10 – Documentation required for the participation in the public selection and for hiring purposes

For the purpose of participating in the public selection, publications and documents and qualifications in English, French, German, and Spanish may be submitted in their original language.

However, scientific publications related to the subject area of the competition, in the case of selection procedures in language-related fields, may also be submitted in their original language. Documents and qualifications in other languages must be presented in their original language, accompanied by a certified translation in Italian or English.

The translation must be certified as faithful to the foreign text and can be carried out by the competent diplomatic or consular representation or by an official translator. As for the documentation required for employment purposes, any acts or documents drafted in a foreign language must be accompanied by a certified translation into Italian, faithful to the foreign text, which can be carried out by the competent diplomatic or consular representation or by an official translator.

Art. 11 – Rights and duties of a researcher with a fixed-term contract of employment

In accordance with the rights and duties of public employees prescribed by the Italian civil code, on signing the contract the assistant professor will be expected to perform all those activities mentioned in Art. 2. These activities will be carried out in respect of the existing hierarchy and in coordination with existing programmes and research projects.

The assistant professor will perform the requested activities in person, substitution is not permitted.

Existing Italian laws concerning maternity, injury and illness will be applied.

The assistant professor undertakes to fulfill the obligations of conduct prescribed by the code of conduct, issued by DPR 62/2013.

Art. 12 – Processing of personal data and person in charge for the contest

Information about the processing of personal data (provided during the application process) are available at the link: www.unibo.it/privacy (Notice for participants in contests and selections published by the University).

The responsible person for the administrative procedure (RPA) is Dr. Michele Menna. For any further information related to the competition procedure, you can contact the Office of Fixed-Term Researchers - University of Bologna - Piazza Verdi, No. 3 - Tel. +39 051 2098972 - 2098958 - 2099980; email: apos.ricercatoritempodeterminato@unibo.it; Office Manager Dr. Gianfranco Raffaeli.

Art. 13 – Reference Regulations

The regulations under which this call for applications is issued are as follows:

- Article 24 of Law No. 240 of December 30, 2010, in the version modified by Law No. 79 of June 29, 2022, converting, with amendments, Decree-Law No. 36 of April 30, 2022;
- Legislative Decree No. 165 of March 30, 2001;
- Presidential Decree No. 445 of December 28, 2000;
- Presidential Decree No. 487 of May 9, 1994;
- Law No. 241 of August 7, 1990;
- Regulation for fixed-term tenured assistant, issued by Rectoral Decree no. 151 of 3rd February 2023[2].

[2] https://normateneo.unibo.it/regolamento-per-la-disciplina-dei-ricercatori-a-tempo-determinato-in-tenure-track-rtt-ai-sensi-dell2019art-24-della-l-240-2010-cosi-come-modificato-dalla-l-79-2022.

For the Director
Giovanni Longo
Digitally signed