



Subject: Public Selection Procedure for the Appointment of 9 Tenure Track Assistant Professor (RTT), pursuant to Article 24(3) of Italian Law No. 240 of 30 December 2010, under a full-time employment regime, reserved to holders of RTD-A contracts expiring in 2025 or 2026, whether or not fully funded by PNRR resources, in accordance with Ministerial Decree No. 193 of 5 March 2026, implementing the Extraordinary Recruitment Plan for RTT Positions Reserved for RTD-A Researchers (Law No. 199/2025, Article 1, paragraphs 305-309).

THE DIRECTOR

- Having regard to** Law No. 199 of 30 December 2025, published in the Official Gazette of the Italian Republic (General Series No. 301 of 30 December 2025), containing the State Budget for the 2026 financial year and the multi-year budget for the 2026-2028 period (the so-called 2026 Budget Law), and in particular Article 1, paragraphs 305-309 thereof, which introduced a measure enabling Universities to launch selection procedures for tenure-track fixed-term researcher positions pursuant to Article 24, paragraph 3, of Law No. 240/2010, reserved for holders of researcher contracts under Article 24, paragraph 3(a), of the same law, as worded prior to Decree-Law No. 36/2022, converted with amendments into Law No. 79/2022;
- Having regard to** Ministerial Decree No. 193 of 5 March 2026, Extraordinary Recruitment Plan for RTT Positions Reserved for RTD-A Researchers (Law No. 199/2025, Article 1, paragraphs 305-309), which allocates the resources appropriated under the 2026 Budget Law for the co-funding of recruitment procedures for tenure-track researchers pursuant to Article 24(3) of Law No. 240 of 30 December 2010 (RTT), reserved for RTD-A researchers, namely researchers referred to in Article 24(3)(a) of the same law, as worded prior to Decree-Law No. 36 of 30 April 2022, converted with amendments into Law No. 79 of 29 June 2022, whose contracts expire during the 2025-2026 period;
- Having regard to** Circular No. 313 of 14 April 2026 issued by the Ministry of University and Research, providing clarifications regarding the above-mentioned extraordinary recruitment plan;
- Having regard to** Circular No. 7697 of 16 June 2026 issued by the Ministry of University and Research, providing further clarifications regarding the above-mentioned extraordinary recruitment plan;
- Having regard to** the provisions referred to in Article 13 of this Call for Applications;

APOS - Area del Personale | Resp. del procedimento: Michele Menna

Settore Selezione professori, ricercatori e preruolo | Ufficio Selezione professori e RTT | Resp.: Gianfranco Raffaelli

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Recalling	the resolutions adopted by the Departments concerned authorizing the activation of the positions and/or defining the essential elements of the relevant selection procedures;
Recalling	the resolution of the Board of Directors of 21 July 2026 approving the requests submitted by the Departments.

ORDERS

Art. 1 – Purpose

Comparative evaluation procedures based on the assessment of qualifications and a public discussion for the recruitment of No. 9 Tenure-Track Fixed-Term Assistant professor (RTT) are called, pursuant to Article 24, paragraph 3, of Law No. 240/2010, on a full-time basis and for a duration of 72 months, reserved for holders of RTD-A contracts expiring in 2025 or 2026.

For certain positions, eligibility is restricted to holders of RTD-A contracts fully funded through resources under the National Recovery and Resilience Plan (PNRR), as specified in the annex relating to the position concerned.

For the purposes of this Call, “RTD-A contracts expiring in 2025” shall include both three-year RTD-A contracts commenced in 2022 (with their natural expiry falling in 2025) and contracts that have been extended for a further two-year period commencing in 2023 (with the extension expiring in 2025), as well as contracts whose expiry date falls in 2025 as a result of extensions granted in connection with periods of mandatory leave.

Likewise, “RTD-A contracts expiring in 2026” shall include contracts commenced in 2023, contracts subject to two-year extensions commencing in 2024, and contracts whose expiry date falls in 2026 as a result of extensions granted in connection with periods of mandatory leave.

For the purposes of this Call, “contracts fully funded through PNRR resources” shall mean three-year RTD-A contracts financed under the following funding schemes:

- PRIN 2022 and PRIN 2022 PNRR Calls (Directorial Decrees No. 104/2022 and No. 1409/2022);
- Young Researchers 2022 Call (Directorial Decree No. 247/2022);
- Young Researchers 2024 Calls (Directorial Decrees No. 201/2024 and No. 47/2025);
- Extended Partnerships Call (Directorial Decree No. 341/2022);
- National Centres Call (Directorial Decree No. 3138/2021);
- Innovation Ecosystems Call (Directorial Decree No. 3277/2021);
- Research Infrastructures Call (Directorial Decree No. 3264/2021);
- Technology and Innovation Infrastructures Call (Directorial Decree No. 3265/2021).

Consequently, RTD-A contracts funded under the National Complementary Plan (PNC) are not eligible under this Scheme.



The gross annual salary amounts to €39,224.00. The remuneration shall be adjusted annually in accordance with the measures and procedures established for salary adjustments applicable to non-contracted public-sector personnel.

The specific features and requirements of each position are set out in the relevant annex to this Call. Where provisions in the following Articles concern elements specific to individual selection procedures, reference shall be made to the relevant annexes.

Art. 2 – Activities to be performed

The position entails 350 hours per academic year of teaching, supplementary teaching activities, and student support services throughout the duration of the contract. Within the above-mentioned 350 hours, the researcher shall be required to deliver 60 hours of classroom teaching per academic year.

In accordance with Article 11 (Subject Matter of the Contract) of the Regulations governing Tenure-Track Fixed-Term Researchers (RTT), issued by Rector's Decree No. 151 of 3 February 2023, the research project to be carried out by each successful candidate and the scientific productivity objectives to be achieved during the term of the contract are specified in the relevant annex to this Call for Applications.

Art. 3 – Admission requirements

The selection procedure is open to candidates, including nationals of countries outside the European Union, who hold the qualification specified in the relevant annex and who are holders of RTD-A contracts expiring in 2025 or 2026, whether or not fully funded through PNRR resources, in accordance with the definitions set out in Article 1 and the provisions of the relevant annexes.

The qualification specified in the relevant annex must be obtained by the closing date for the submission of applications.

In the case of a doctoral degree awarded abroad, candidates must alternatively:

- Submit the decree recognizing the qualification for academic purposes (issued pursuant to Article 74 of Presidential Decree No. 382/1980, formerly under the equivalence procedure, or pursuant to Article 38 of Legislative Decree No. 165/2001), where such recognition has already been obtained by the application deadline;
- Request, at the application stage, that the University of Bologna initiate the procedure for recognition of the foreign qualification pursuant to Article 38(3.2) of Legislative Decree No. 165/2001. In this case, should the candidate be selected, they undertake to submit the required documentation to the University's Professors and RTT Selection Office by e-mail, certified e-mail (PEC), or postal delivery;
- Apply to the Ministry of University and Research (MUR) for non-academic recognition of the foreign qualification for the purpose of participating in recruitment procedures for researchers at universities and public research institutions, pursuant to Legislative Decree



No. 206/2007, as amended by Legislative Decree No. 15/2016 (for EU qualifications), and Article 49 of Presidential Decree No. 394/1999 (for non-EU qualifications), and attach proof of submission of the application at the time of applying.

Pending the issuance of the recognition decision referred to in points 2 or 3 above, candidates may participate in the selection procedure subject to conditional admission.

Further information on procedures for the recognition of foreign qualifications is available on the University's webpage dedicated to the Recognition of Foreign Qualifications.

In any event, the foreign qualification recognition decision must be submitted to the Administration prior to the commencement of employment.

Full Professors, Associate Professors, and permanent researchers (ricercatori a tempo indeterminato), including those no longer in service, are not eligible to apply. Likewise, applicants who have already benefited from Tenure-Track Fixed-Term Researcher (RTT) contracts for a period of at least three years, as well as applicants who do not meet the eligibility requirements and reservations provided for in Article 1 and specified in the relevant annexes, are excluded from the selection procedure.

The selection procedure is also closed to individuals who are related by blood or marriage up to the fourth degree inclusive to a Professor belonging to the Department or Departments proposing the activation of the relevant position, or to the Rector, the Director General, or a member of the University's Board of Directors.

Where, at the time of entering into the contract pursuant to Article 24(3) of Law No. 240/2010, the successful candidate has previously held positions under Articles 22, 22-bis, or 22-ter of the same Law, whether at the University of Bologna or another university, at institutions of Higher Artistic, Musical and Choreutic Education (AFAM), at institutions whose advanced scientific diploma has been recognized as equivalent to a doctoral degree pursuant to Article 74, fourth paragraph, of Presidential Decree No. 382 of 11 July 1980, or at public research institutions, for a cumulative period exceeding five years, including non-consecutive periods, the duration of the contract shall, at the candidate's request, be reduced by a period corresponding to the excess duration. In any case, the resulting contract may not be of less than one year's duration.

Employees of public administrations shall be placed on unpaid leave for the entire duration of the contract, without salary or social security contributions, or, where provided for under the regulations governing their employment status, shall be assigned to an equivalent secondment status, likewise without salary or social security contributions.

Art. 4 – Application procedure

Applications must be submitted exclusively through the online procedure available on the PICA portal:

<https://pica.cineca.it/unibo/>

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For all procedures, the application deadline is: 27 August 2026, at 12:00 noon (Italian time).

Applications must be submitted together with all required supporting documentation.

The following documents shall be enclosed to the electronic application form (preferably files: PDF, other supported files: JPG, BMP, PNG):

1. A scanned copy of a valid identity document (maximum 10 MB);
2. A curriculum vitae including teaching activities and scientific/professional experience (maximum 10 MB);
3. Up to three reference letters, if any. Direct upload of reference letters by candidates is not permitted. After submitting the application, candidates may request reference letters by providing the referee's email address. The system will automatically send a request email containing the candidate's and competition's details. Referees are not required to register but must access the webpage indicated in the email via the provided link. Reference letters must be uploaded no later than the application deadline;
4. Scientific publications published by the application deadline, or works accepted for publication, provided that a publisher's acceptance letter is also submitted. Additional accepted formats are TIFF and PS. The maximum file size is 20 MB per document. During the upload process, candidates must indicate the title, authors, publisher and year of publication. Optional information includes month of publication, ISBN, DOI and issue number.

Pursuant to Ministerial Decree No. 243/2011, doctoral dissertations are considered publications. Therefore, candidates wishing to submit their doctoral thesis must include it within the maximum number of publications specified in the relevant annex.

In the application form, candidates shall declare under their own responsibility:

1. surname and first name;
2. date and place of birth;
3. citizenship;
4. place of residence;
5. for Italian citizens, registration on the electoral roll, or reasons for non-registration or removal therefrom;
6. absence of criminal convictions and pending criminal proceedings, or, where applicable, details of such convictions and proceedings;
7. whether they have benefited from periods of involuntary interruption of research activity due to compulsory maternity/paternity leave or serious health conditions, indicating the relevant periods;
8. possession of the qualification required under Article 3 and any final grade obtained, as well as possession of an RTD-A contract expiring in 2025 as defined in Article 1, including starting and ending dates;

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9. suitability for continuous and unconditional performance of the duties associated with the position;
10. that they are not, and have never been, Full Professors, Associate Professors, or permanently employed researchers, including those no longer in service;
11. that they do not have any relationship by blood or marriage up to the fourth degree with a Professor belonging to the Department proposing the position, the Rector, the General Director, or a member of the University's Board of Governors;
12. the email address to be used for competition-related communications;
13. if foreign nationals, that they possess an adequate knowledge of the Italian language and enjoy civil and political rights in their country of citizenship or origin, or the reasons why such rights are not enjoyed;
14. whether they have attended doctoral programmes and/or carried out research activities based on formally assigned appointments, excluding unpaid activities, at other universities or research institutions in Italy or abroad for an aggregate period of at least thirty-six months, or that they do not fall within these conditions.

Any modification shall be timely communicated to the Professor and RTT Selection 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 following circumstances shall automatically result in exclusion from the selection procedure:

- failure to comply with the deadlines and submission procedures specified in Article 4;
- lack of the qualification required for participation, as specified in the relevant annex;
- lack of eligibility under the reserved-category requirements referred to in Article 1.

All candidates are admitted subject to verification of their compliance with the eligibility requirements.

The Administration may exclude candidates at any stage of the procedure, including after the public discussion has taken place.

Art. 6 – Selection Board

With regard to each procedure, 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" in application of articles 18 and 24 of the Law 240/2010 issued with DR 977/2013 and s.m. 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 Commission appoints a president and a recording secretary between their members.

Notice of the appointment of each Commission will be published on Alma Mater Studiorum - University of Bologna website.

Art. 7 – Selection procedure

For each procedure, the Selection Committee shall conduct a preliminary evaluation of candidates based on their qualifications, curriculum vitae, scientific publications and doctoral dissertation, issuing a reasoned analytical assessment in accordance with the criteria established by Ministerial Decree No. 243/2011.

Following the preliminary evaluation, the comparatively most deserving candidates, amounting to between 10% and 20% of all applicants and in any case not fewer than six individuals, shall be admitted to a public discussion of their qualifications and scientific production before the Committee. Where the total number of candidates is six or fewer, all candidates shall be admitted to the discussion.

Any reference letters submitted shall also be considered.

The discussion shall be conducted in the language specified in the relevant annex. During the discussion, candidates shall also demonstrate an adequate knowledge of the second language indicated in the relevant annex.

The discussion shall be public and may be held remotely by means of audio-video teleconferencing using Microsoft Teams or any other platform indicated by the Committee. Candidates shall ensure that the location from which they connect is equipped with a webcam, microphone and audio system, the webcam being essential for candidate identification.

For each procedure, notice of the date, time and format of the public discussion (in person or online) shall be published at least fifteen days in advance on the University's website:

<https://bandi.unibo.it/docenti/rtd>

Publication of the notice on the University's website shall constitute official notification to all candidates.

At the same time, candidates shall receive an email informing them whether they have been admitted to the public discussion.

No further communications regarding the schedule or the list of admitted candidates will be issued. The Alma Mater Studiorum - University of Bologna accepts no responsibility for failure to receive or read such communications. Candidates are therefore responsible for monitoring the competition webpage for updates concerning the selection procedure.



Candidates must present a valid identification document at the discussion. Citizens of EU Member States must present either a passport or a national identity document issued by their country of citizenship. Citizens of non-EU countries must present a valid passport.

Art. 8 – Individuation of the winner and recruitment

Upon completion of the evaluation process, the Selection Committee shall draw up the final ranking of candidates. In the event of a tie, preference shall be given to the younger candidate.

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 period for lodging any appeal shall commence on the date of publication of the above notice, unless the measure has otherwise been formally communicated to the interested parties.

In the event that the successful candidate declines the appointment, the position shall be offered to the eligible candidate who obtained the highest overall score after the successful candidate.

The Department that activated the position shall submit the proposal for appointment, subject to the favourable vote of an absolute majority of the Full and Associate Professors. The proposal shall subsequently be approved by resolution of the Board of Directors.

Art. 9 – Employment procedures

Following completion of the appointment procedures referred to in Article 8 above, the successful candidates shall be invited to enter into an individual employment contract establishing a full-time, fixed-term tenure-track employment relationship.

Successful candidates must take up their position no later than 31 March 2027, where they hold an RTD-A contract expiring in 2025, or no later than 31 March 2028, where they hold an RTD-A contract expiring in 2026.

The employment relationship shall be governed by the individual contract, the applicable provisions of Italian law, and relevant European Union legislation.

The individual contract shall specify the grounds for termination and the applicable notice periods. In any event, the annulment of the recruitment procedure on which the contract is based shall constitute a condition subsequent resulting in automatic termination of the contract, without any obligation to provide notice.

The probationary period shall be three months. If the employment relationship is not terminated by either party during such period, the employee shall be deemed confirmed in the position, and seniority shall be recognized from the date of appointment for all legal and contractual purposes.



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

For the purposes of participation in the selection procedure, documents, publications and qualifications written in English, French, German or Spanish may be submitted in their original language.

In addition, for selection procedures relating to fields involving the study of specific languages, scientific publications written in the language relevant to the Scientific Disciplinary Sector (SSD) covered by the call may likewise be submitted in their original language.

Documents, publications and qualifications written in any other language must be submitted in the original language together with an Italian or English translation.

Such translation must be certified as a true and accurate translation of the original text, either by the competent diplomatic or consular authorities or by an officially authorised translator.

As regards the documentation required for appointment, all documents and records written in a foreign language must be accompanied by an Italian translation certified as a true and accurate translation of the original text, prepared by the competent diplomatic or consular authorities or by an officially authorised translator.

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

Without prejudice to the rights and obligations established by the Italian Civil Code regarding subordinate employment relationships, by signing the contract the researcher shall acquire both the right and the obligation to carry out the activities associated with the position, as specified in the relevant annex.

The researcher shall perform the agreed activities in compliance with the hierarchical structure of the host Department and shall coordinate their work with the objectives set out in the relevant research programme or project.

The researcher shall personally perform the assigned duties and may not delegate them to substitute personnel.

Researchers shall benefit from the legal protections concerning maternity and paternity leave, occupational accidents and illness.

Researchers undertake to comply with the behavioural obligations established by the Code of Conduct for Public Employees, adopted by Presidential Decree No. 62/2013.

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

Information regarding the processing of personal data provided to participate in the selection procedure is available by visiting the website www.unibo.it/privacy (Information for participants in competitions and selections announced by the University).

The responsible person for the competition procedure is Dr. Michele Menna, Manager of the Personnel Area of the University of Bologna. For any information regarding the selection, you can contact the Professor and RTT Selection Office of the University of Bologna – Piazza Verdi No. 3,

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40127, Responsible Dr. Gianfranco Raffaeli – Tel. +39 051 - 2098972, - 2099980, - 2098958, - 20982011, - 2098947, - 2098946; email: apos.selezioneprofessori-rtt@unibo.it.

Art. 13 – Reference Regulations

This Call is issued pursuant to the following legislation and regulations:

- Law No. 199 of 30 December 2025 (the so-called 2026 Budget Law) and Ministerial Decree No. 193 of 5 March 2026, Extraordinary Recruitment Plan for Tenure-Track Researcher Positions (RTT) Reserved for RTD-A Researchers;
- Law No. 240 of 30 December 2010, Article 24, as amended by Law No. 79 of 29 June 2022, converting, with amendments, Decree-Law No. 36 of 30 April 2022;
- Legislative Decree No. 165 of 30 March 2001;
- Presidential Decree No. 445 of 28 December 2000;
- Presidential Decree No. 487 of 9 May 1994;
- Law No. 241 of 7 August 1990;

Regulations Governing Tenure-Track Researchers (RTT), issued by Rector's Decree No. 151 of 3 February 2023.

For the Director of Area del Personale
Digitally signed by Giovanni Longo

APOS - Area del Personale | Resp. del procedimento: Michele Menna

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Attached documents:

- Summary table of activated positions;
- Attachments:
 1. Attachment 1: 2 RTT positions - DEI - IBIO-01/A - Cesena
 2. Attachment 2: 1 RTT position - DEI - IINF-01/A - Bologna
 3. Attachment 3: 1 RTT position - DEI - IINF-05/A - Bologna
 4. Attachment 4: 2 RTT positions - DISI - IINF-05/A - Bologna
 5. Attachment 5: 2 RTT positions - DISI - INFO-01/A - Bologna
 6. Attachment 6: 1 RTT position - QUVI - MEDF-01/A - Rimini

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Attachment	Department		GSD		SSD		Reservation	Position/s		Location
1	DEI	Electrical, Electronic and Information Engineering "Guglielmo Marconi" - DEI	09/IBIO-01	Bioengineering	IBIO-01/A	Bioengineering	2025-2026	2	full-time	Cesena
2	DEI	Electrical, Electronic and Information Engineering "Guglielmo Marconi" - DEI	09/IINF-01	Electronics	IINF-01/A	Electronics	PNRR-2025-2026	1	full-time	Bologna
3	DEI	Electrical, Electronic and Information Engineering "Guglielmo Marconi" - DEI	09/IINF-05	Information processing systems	IINF-05/A	Information Processing Systems	PNRR-2025-2026	1	full-time	Bologna
4	DISI	Computer Science and Engineering - DISI	09/IINF-05	Information processing systems	IINF-05/A	Information Processing Systems	2025-2026	2	full-time	Bologna
5	DISI	Computer Science and Engineering - DISI	01/INFO-01	Informatics	INFO-01/A	Informatics	PNRR-2025-2026	2	full-time	Bologna
6	QUVI	Life Quality Studies - QUVI	06/MEDF-01	Physical training and sports sciences	MEDF-01/A	Physical Training Sciences and Methodology	2025-2026	1	full-time	Rimini



ATTACHMENT 1

The specific elements of this procedure are as follows:

- **Reservation:** Holders of fixed-term researcher contracts (RTD type a) expiring in 2025 or in 2026
- **Department:** Department of Electrical, Electronic and Information Engineering "Guglielmo Marconi"
- DEI
- **GSD:** 09/IBIO-01 – Bioengineering
- **SSD:** IBIO-01/A – Bioengineering
- **Number of positions:** 2
- **Main place of employment:** Cesena
- **Financial coverage:** D.M. n. 193 of March 2026, 5;
- **Project manager:** Mauro Ursino
- **Project title:** “Study of medical-biological problems through innovative methods of electronics and informatics in biomedical engineering”
- **Brief description of the project:**
The activities of the RTT will be conducted in the field of information bioengineering with a focus on the development of advanced methods for signal processing, biomedical instrumentation, biological system modeling, and the application of Artificial Intelligence techniques. The topics covered will focus, although not exclusively, on the design of systems for health assessment, the discovery of biomarkers related to various pathophysiological conditions, the development of innovative diagnostic techniques, and the analysis of complex physiological systems.
- **Objective of the research project:**
During the project, the scientific productivity objective is to publish the project results in at least 5 works in indexed international scientific journals, of which at least 2 as the first or last author, and to contribute to the submission of at least 1 research project (regional, national or European).
- **Admission requirement:** PhD
- **Maximum number of publications:** 12
- **Language in which the interview will take place:** italian
- **Foreign language:** english



ATTACHMENT 2

The specific elements of this procedure are as follows:

- **Reservation:** Holders of fixed-term researcher contracts (RTD type a) expiring in 2025 or in 2026, fully financed under PNRR funds
- **Department:** Department of Electrical, Electronic and Information Engineering "Guglielmo Marconi" - DEI
- **GSD:** 09/IINF-01 – Electronics
- **SSD:** IINF-01/A – Electronics
- **Number of positions:** 1
- **Main place of employment:** Bologna
- **Financial coverage:** D.M. n. 193 of March 2026, 5;
- **Project manager:** Claudio Fiegna
- **Project title:** “Design, modeling and/or characterization of electronic devices, integrated circuits and/or electronic systems”
- **Brief description of the project:**

The selected researcher will be required to carry out research activity at the international level in the frame of the thematic areas defined in the declaratory of SSD IINF-01/A, with particular reference to one or more of the following areas: (1) electron devices and sensors; (2) integrated electronic circuits; (3) electronic circuits and systems.
- **Objective of the research project:**

The selected researcher will be required to publish at least two papers in high impact-factor international scientific journals and at least three contributions to high-level international conferences.
- **Admission requirement:** PhD
- **Maximum number of publications:** 12
- **Language in which the interview will take place:** english
- **Foreign language:** not applicable



ATTACHMENT 3

The specific elements of this procedure are as follows:

- **Reservation:** Holders of fixed-term researcher contracts (RTD type a) expiring in 2025 or in 2026, fully financed under PNRR funds
- **Department:** Department of Electrical, Electronic and Information Engineering "Guglielmo Marconi"
- DEI
- **GSD:** 09/IINF-05 – Information processing systems
- **SSD:** IINF-05/A – Information Processing Systems
- **Number of positions:** 1
- **Main place of employment:** Bologna
- **Financial coverage:** D.M. n. 193 of March 2026, 5;
- **Project manager:** Andrea Acquaviva
- **Project title:** “Methods and Tools for Secure and Autonomous Brain-Inspired Cyber-Physical Systems”
- **Brief description of the project:**
The research will focus on autonomous edge systems based on brain-inspired, sparse and event-driven computing, with emphasis on edge and near-sensor processing. The neuromorphic component will address the design, optimization and deployment of Spiking Neural Networks (SNNs) and event-based algorithms on embedded processors and specialized accelerators, including data from neuromorphic sensors such as event cameras. The security component will concern embedded software and middleware exploiting hardware security mechanisms, such as roots of trust, cryptographic accelerators and control-flow protection. Hardware-software co-design will be investigated on open-hardware RISC-V SoCs. The researcher should therefore develop expertise in embedded and cyber-physical systems, neuromorphic computing, heterogeneous platform optimization, RISC-V architectures and hardware-assisted security.
- **Objective of the research project:**
By the end of the project, the candidate shall have acquired the ability to apply advanced techniques that are not necessarily currently available at the University of Bologna. In addition, the candidate shall have established collaborations with international research teams and participated in international meetings and conferences. By the end of the three-year period, the research activity shall have resulted in at least three publications in international journals. The candidate shall also have documented teaching experience.
- **Admission requirement:** PhD
- **Maximum number of publications:** 12
- **Language in which the interview will take place:** italian
- **Foreign language:** english



ATTACHMENT 4

The specific elements of this procedure are as follows:

- **Reservation:** Holders of fixed-term researcher contracts (RTD type a) expiring in 2025 or in 2026
- **Department:** Department of Computer Science and Engineering - DISI
- **GSD:** 09/IINF-05 – Information processing systems
- **SSD:** IINF-05/A – Information Processing Systems
- **Number of positions:** 2
- **Main place of employment:** Bologna
- **Financial coverage:** D.M. n. 193 of March 2026, 5;
- **Project manager:** Paolo Ciaccia
- **Project title:** “Advanced Computer technologies for Engineering”
- **Brief description of the project:**

The researcher’s scientific activity will be carried out within one or more of the following areas: Computer Architectures; Databases; Parallel Computing and High-Performance Systems (HPC); Data Science; Software Engineering; Artificial Intelligence; Computer Networks; Operating Systems; Distributed and Mobile Systems; and Computer Vision. In particular, the researcher will apply innovative computer science methodologies and technologies to the study of relevant problems in the field of engineering. For this purpose, he or she may develop principles, methodologies, or technologies in collaboration with research groups within the Department working in the relevant areas. The researcher will also collaborate with national and international academic and industrial research groups, participating in research projects and third mission activities.

- **Objective of the research project:**
The goal of the researcher’s scientific production, during the 6 years will be the publication of at least 6 papers in international venues (scientific journals and conference proceedings), with at least 2 of them in international journals.
- **Admission requirement:** PhD
- **Maximum number of publications:** 12
- **Language in which the interview will take place:** italian
- **Foreign language:** english



ATTACHMENT 5

The specific elements of this procedure are as follows:

- **Reservation:** Holders of fixed-term researcher contracts (RTD type a) expiring in 2025 or in 2026, fully financed with PNRR funds
- **Department:** Department of Computer Science and Engineering - DISI
- **GSD:** 01/INFO-01 – Informatics
- **SSD:** INFO-01/A – Informatics
- **Number of positions:** 2
- **Main place of employment:** Bologna
- **Financial coverage:** D.M. n. 193 of March 2026, 5;
- **Project manager:** Luciano Bononi
- **Project title:** “Advanced Systems and Technologies for the Design, Development, Integration, Analysis and Validation of Innovative Methodologies, Services, and Applications in Real-World, Educational, and Research Contexts”
- **Brief description of the project:**

The research activity will focus on one or more of DISI’s strategic research areas, including distributed and mobile systems, information systems, middleware, modeling and simulation, Digital Twins, Big Data, IoT/Web of Things, HCI, Edge/Cloud Computing, AI, Computer Vision, Machine/Transfer Learning, Computer Science Education, Computational Thinking, Formal Methods, Logic, Web Technologies, Social Network Analysis, Software Engineering, Programming Languages, Quantum Computing and Networking, and Cybersecurity. The researcher will carry out research, design, development, integration, validation, and analysis of advanced data, systems, and technologies, contributing to innovative methodologies, services, and applications. Activities will be conducted with DISI research groups and national and international partners through research projects, competitive funding, and third mission initiatives.
- **Objective of the research project:**

The researcher's scientific productivity objectives over the six-year period will include the publication of at least three papers in internationally recognized venues (journals and conference proceedings), of which at least one must be published in an international peer-reviewed journal.
- **Admission requirement:** PhD
- **Maximum number of publications:** 12
- **Language in which the interview will take place:** italian
- **Foreign language:** english



ATTACHMENT 6

The specific elements of this procedure are as follows:

- **Reservation:** Holders of fixed-term researcher contracts (RTD type a) expiring in 2025 or in 2026
- **Department:** Department of Life Quality Studies - QUVI
- **GSD:** 06/MEDF-01 – Physical training and sports sciences
- **SSD:** MEDF-01/A – Physical Training Sciences and Methodology
- **Number of positions:** 1
- **Main place of employment:** Rimini
- **Financial coverage:** D.M. n. 193 of March 2026, 5;
- **Project manager:** Samuele Maria Marcora
- **Project title:** “Effects of Fatigue on Functional Capacities: Implications for the Assessment, Prescription, and Monitoring of Exercise Programs in Various Populations”
- **Brief description of the project:**
Research activity in line with the topics covered by the SSD MEDF-01/A and, in particular, focused on the study of the effects of fatigue on functional capacities. Physiological (cardiorespiratory and metabolic tests, electromyography), biomechanical (postural and kinematic analysis), and psychological assessment techniques will be used to analyze how fatigue affects motor performance in various populations, including subjects with neurodegenerative diseases and individuals engaged in physical and sport activities at different levels. The results will aim at developing evidence-based methodologies for the assessment, prescription, and monitoring of exercise programs directed toward health promotion and the prevention of non-communicable chronic diseases related to sedentary behavior.
- **Objective of the research project:**
Publication of at least three articles in international peer-reviewed scientific journals indexed in recognized databases (Scopus, Web of Science), related to the effects of fatigue on functional capacities and to the methodologies for the assessment, prescription, and monitoring of exercise in various populations. Active participation in national and international scientific conferences with oral presentations or posters reporting research results. Collaboration with national and international research groups for the development of multicenter studies on the effects of fatigue.
- **Admission requirement:** PhD
- **Maximum number of publications:** 12
- **Language in which the interview will take place:** italian
- **Foreign language:** english