



Registration number, date and protocol.

DISCLAIMER: The following English version is a translation of the original description in Italian for information purposes only. In case of a discrepancy, the Italian original will prevail.

SUBJECT: Comparative assessment procedure based on qualifications and discussion in public, for the recruitment of a fixed-term researcher in Tenure Track (RTT), pursuant to Article 24 of Italian Law no. 240/2010, as amended by Italian Law no. 79/2022, for the 09/IIND-06 Fluid machinery, energy systems and power generation Subject Area Group and the IIND-06/A Fluid machinery Subject Area at the Polytechnic Department of Engineering and Architecture

THE RECTOR

HAVING REGARD to Italian Law no. 241 of 07 August 1990 “New provisions on administrative procedures and right of access to administrative documents”;

HAVING REGARD to Italian Presidential Decree no. 445 of 28 December 2000 “Consolidated act of laws and regulations on administrative documentation”;

HAVING REGARD to Italian Legislative Decree no. 165 of 30 March 2001, “General rules on the organisation of work for employees in public administrations”;

HAVING REGARD to Italian Legislative Decree no. 196 of 30 June 2003 “Personal Data Protection Code”;

HAVING REGARD to Italian Law no. 106 of 15 April 2004 “Rules relating to the legal depositing of documents of cultural interest intended for public use”;

HAVING REGARD to Italian Legislative Decree no. 82 of 07 March 2005 “Digital Administration Code”;

HAVING REGARD to Italian Law no. 230 of 04 November 2005 and, in particular, Article 1(2) thereof, which provides for the inseparability of care functions from those of teaching and research for professors of clinical subjects, where provided for;

HAVING REGARD to Italian Legislative Decree no. 198 of 11 April 2006, “Code of equal opportunities between men and women, pursuant to Article 6 of Italian Law no. 246 of 28 November 2005 as amended”;

HAVING REGARD to Italian Law no. 240 of 30 December 2010 and in particular, Article 24 thereof which regulates fixed-term Tenure Track researcher (RTT) contracts;

HAVING REGARD to Italian Ministerial Decree no. 243/2011 concerning “Criteria and parameters recognised, also in the international field, for the preliminary assessment of candidates for the contracts referred to in Article 24 of Italian Law no. 240 of 30 December 2010”;

HAVING REGARD to Italian Legislative Decree no. 49 of 29 March 2012, “Rules governing the planning, monitoring and evaluation of budgetary and recruitment policies at Universities”;

HAVING REGARD to Italian Legislative Decree no. 33 of 14 March 2013 “Reorganisation of the regulations governing the right of civic access and the obligations of publicity, transparency and dissemination of information by public administrations”;



CONSIDERING the principles of the New European Charter for Researchers and the Code of Conduct for the Recruitment of Researchers, referred to in the recommendation of the Council of the European Union no. 1640 of 18 November 2023;

HAVING REGARD to Italian Ministerial Decree no. 456/2023 concerning “Definition of the tables of correspondence between Italian and foreign academic positions referred to in Article 18(1)(b) of Italian Law no. 240 of 30 December 2010” and the related integration referred to in Ministerial Decree no. 1103 of 30 July 2024;

HAVING REGARD to Ministerial Decree no. 639 of 02 May 2024 on subject area groups and corresponding descriptions;

HAVING REGARD to Ministerial Decree no. 1658 of 21 October 2024 “Criteria for the rules governing Universities, for the assessment of fixed-term researchers, in possession of the national scientific qualification, for the purposes of being called to the post of associate professor”;

HAVING REGARD to the Decree of the Chairman of the Italian Council of Ministers of 4 July 2025, which has most recently adjusted the remuneration for non-contracted personnel;

GIVEN the Statute of the University of Udine;

GIVEN the Code of Ethics and Conduct of the University of Udine;

GIVEN the Regulations for fixed-term researchers in Tenure Track (RTT), pursuant to Article 24 of Italian Law no. 240/2010, as amended by Italian Law no. 79/2022;

GIVEN the resolution of the Board of Governors of 28 November 2002 which established that applicants should make a payment to partially cover secretarial expenses and which determined the amounts;

GIVEN the Guidelines for the “Conduct of recruitment procedures for full and associate professors and fixed-term researchers via videoconference”, adopted by Rector's Decree no. 344 of 11 April 2022;

GIVEN the Three-Year Personnel Plan for 2025 to 2027, adopted by resolution of the Board of Governors of 20 December 2024 and updated by its resolution of 28 March 2025, which defines the development in the allocation of funds for hiring staff over the three-year period and the related purposes in relation to the requirements of the University;

GIVEN the resolution of the Board of the Polytechnic Department of Engineering and Architecture dated 03.12.2025 which requested the initiation of a selection procedure for the recruitment of a fixed-term researcher in tenure track, pursuant to Article 24 of Italian Law no. 240 of 30 December 2010, as amended by Italian Law no. 79/2022, with full-time commitment, for the 09/IIND-06 Fluid machinery, energy systems and power generation Subject Area Group, and IIND-06/A Fluid machinery Subject Area;

GIVEN the resolution of the Board of Governors of 30.01.2026, which, after acquiring the favourable opinion of the Academic Senate expressed by resolution of 27.01.2026, approved the departmental proposal for the call of ONE (1) fixed-term researcher in tenure track (RTT) pursuant to Article 24 of Italian Law no. 240/2010, for the scientific and teaching needs of the Department;

ACKNOWLEDGING that the position in question has the necessary financial coverage in line with University planning;

HAVING ASCERTAINED that it was appropriate to implement the resolutions taken by the Academic Bodies for the recruitment of 1 fixed-term researcher in Tenure Track (RTT) pursuant to Article 24 of Italian Law no. 240/2010, taking into



account the scientific and teaching needs of the Polytechnic Department of Engineering and Architecture;

DECREES

Article 1

Notice of the procedure

Notice is given of a comparative assessment procedure based on qualifications and discussion in public, for the recruitment of ONE (1) fixed-term researcher in Tenure Track (RTT), pursuant to Article 24 of Italian Law no. 240 of 30 December 2010, as amended by Italian Law no. 79 of 29 June 2022, with the following characteristics:

Competition code: 2026RTT24_09IIND06_DPIA

Department: Polytechnic Department of Engineering and Architecture

Subject Area Group: 09/IIND-06 Fluid machinery, energy systems and power generation

Profile by indication of the subject area: IIND-06/A Fluid machinery

Duration of the contract: six years

Form of Commitment: full-time, with a total annual commitment for teaching activities, supplementary teaching and student tutoring of 350 hours

Research project: Modelling of the combustion of traditional and green fuels in internal combustion engines and prediction of performance and emissions of thermal propulsion systems for land, maritime, and airborne means of transport.

The project includes two main research topics, partly correlated, to be developed in parallel. The first topic is about the modelling of the combustion process in traditional and innovative internal combustion engines, considering fossil fuels (e.g. gasoline, Diesel fuel, methane) as well as carbon-neutral (e-fuels, biofuels) and carbon-free (e.g. hydrogen, ammonia) fuels. The research activity will involve primarily the combustion of the premixed charge in traditional spark-ignited engines, with ample reference to the formation and growth of the flame kernel, flame instability phenomena, particularly relevant for hydrogen, and turbulence effects. This investigation will also form the basis for the development of models aimed at predicting the cycle-to-cycle variation in spark-ignited engines. Additional activities on this topic involve the modelling of combustion in homogeneous charge compression ignition (HCCI) engines and its derivatives, with particular reference to the impact of heat exchange, reaction kinetics, and turbulence on the onset and development of the combustion. For the forementioned activities, multiple modelling strategies will be considered, including phenomenological, 0D/1D, and 3D modelling, the latter through CFD simulations, with possibility of interaction between different strategies (e.g. 0D sub-model in 3D environment). Several types of engines will be considered, including traditional spark-ignition engines, HCCI engines and derivatives, and free-piston engines. The second research topic regards the development of models for the prediction of performance and emissions of heat engines for the propulsion of land, maritime, and airborne means of transport. In particular, at least in the early part of the project, it will be required to continue the development of models based on flight tracking data for the



reconstruction of low-altitude flight trajectories of civil aircraft and the estimation of their noise and pollutant emissions in airport areas. More generally, the development will be conducted of models for the simulation of performance and pollutant emissions of heat engines for propulsion of also land and maritime means of transport. Both of the research topics proposed within this project shall be developed also in light of the current international collaborations and funding in which the Department is involved.

Duration of the research programme: Between 3 and 6 years, also in accordance with the results achieved

Professor in charge: Prof. Pietro Giannattasio, Full professor at the University of Udine, 09/IIND-06 Fluid machinery, energy systems and power generation subject area group, IIND-06/A Fluid machinery subject area.

Facility where the activity is performed: The research activities will be carried out primarily at the Polytechnic Department of Engineering and Architecture of the University of Udine.

Specific functions and assigned objectives: The project includes the following research activities and the associated goals:

- development of correlations for the thermodynamic and flame properties of mixtures between air and carbon-neutral/carbon-free fuels as a function of temperature, pressure, and equivalence ratio, including the extremely high temperatures (up to 60,000 K) of the plasma generated by an electrical discharge;
- further development of phenomenological models of formation and growth of the initial flame kernel generated by a discharge between the electrodes of a spark plug;
- modelling of onset conditions and development of hydrodynamic and thermodiffusive flame instabilities, with particular emphasis to hydrogen flames;
- modelling of the interaction between flame kernel, possibly unstable, and turbulence;
- model-based approaches for the prediction of cycle-to-cycle variation in spark-ignition engines;
- modelling of combustion in HCCI engines and its derivatives;
- modelling of dynamics and combustion of different configurations of free-piston engines;
- inclusion and adaptation of the developed phenomenological models in 3D CFD environments;
- development of models for the estimation of performance and pollutant emissions of engines for land and maritime propulsion that make use of the combustion modes considered in this project;
- further development of existing models for the reconstruction of flight trajectories and the estimation of noise and pollutant emissions in airport areas caused by civil air traffic.

Teaching activities, supplementary teaching and student tutoring:

The researcher, tasked with conducting teaching activities consistently with the teaching programmes of the Department, will hold 48 hours/year of face-to-face teaching in course “Macchine” (Bachelor’s degree in Management Engineering and Industrial Engineering for Environmental Sustainability), scientific sector IIND-06/A. The researcher will also conduct 12 hours/year of teaching support activities in course “Progetto di Macchine” (Master’s degree in Mechanical Engineering), scientific sector IIND-06/A. Moreover, the researcher will carry out tasks aimed at supporting the



students, including guidance and tutoring activities, will conduct examinations for multiple courses in the scientific sectors IIND-06/A and IIND-06/B.

Maximum number of publications to be submitted: 12

All documents relevant to the procedure will be published on the University's Official online Notice Board and this will in all respects be considered as legal notification thereof.

Article 2 Eligibility requirements

Italian and foreign candidates holding a PhD or equivalent degree, obtained in Italy or abroad, are eligible to participate in the selection procedure.

The eligibility requirements must be met by the deadline for timely submission of applications for admission to this selection.

In the case of a PhD obtained abroad, it is necessary either to be in possession of:

- a decree of academic recognition of the foreign degree (**so-called "equipollency"**), issued by an Italian University pursuant to Article 74 of Italian Presidential Decree no. 382/1980.

If candidates are already in possession of the decree of academic recognition of the foreign degree, they must attach it to their application for participation in the selection. Candidates who are not in possession of the aforementioned decree, must submit a request for recognition of the degree to an Italian University, pursuant to Article 38(3.2) of Italian Legislative Decree no. 165/2001, and attach the receipt certifying receipt of the request, to their application for participation, under penalty of exclusion from the selection procedure.

The University of Udine issues the decree of equipollency of the foreign PhD degree if comparable to PhD degrees active at the University itself. For more information on the procedure, applicants can consult the University's website:

<https://www.uniud.it/it/ricerca/lavorare-nella-ricerca/dottorato-ricerca/riconoscimento-dottorati-di-ricerca-conseguiti-estero/riconoscimento-dottorati-di-ricerca-conseguiti-estero>

For PhDs not active at the University of Udine, applicants must apply to another University.

or

- a provision of non-academic recognition of the foreign qualification (**so-called "equivalence"**) for the purposes of participating in competitions for posts as researcher in universities and public research bodies, pursuant to and for the purposes of Italian Legislative Decree 206/2007, amended by Italian Legislative Decree 15/2016 (for EU qualifications) and Italian Presidential Decree 394/99, Article 49 (for non-EU qualifications).

Applications requesting a declaration of recognition of the foreign qualification for access to public competitions, with reference to the procedure the person concerned intends to participate in, must be submitted to the Presidency of the Italian Council of Ministers (Civil Service Department – P.P.A. Office – Recruitment Service) and, at the same time to the Italian Ministry of Universities and Research (MUR), following the instructions indicated on the web page:

<https://www.mur.gov.it/it/aree-tematiche/universita/equipollenze-equivalenza-ed-equiparazioni-tra-titoli-di-studio/titoli-1>

Pursuant to Article 38(3) of Italian Legislative Decree 165/2001, it should be noted that the Civil Service Department only concludes the recognition procedure for successful



candidates in competitions, who have the obligation, under penalty of forfeiture, to submit an application for recognition within fifteen days of the publication of the final ranking list.

Candidates must send the receipt of delivery of their request together with their application for participation, under penalty of exclusion from the selection procedure. Applicants who, on the expiry date of the call for applications, are not in possession of the above documents are allowed provisionally to participate in the competition, pending the issuance of the provision referred to in the previous points.

The documentation proving the recognition of equipollency or equivalence of the foreign qualification with the Italian one must in any case be produced to the Administration at the time of signing the contract, under penalty of forfeiture of the right to be hired.

For more information candidates should refer to the following webpages:

CIMEA <https://www.cimea.it/pagina-procedure-riconoscimento-titoli>

The aforementioned requirements, where necessary, will be checked by the Selection Board.

Prospective candidates will be deemed ineligible to participate in the selection procedure, if, at the expiry date of the call for applications, they:

- are excluded from the enjoyment of civil and political rights;
- have been dismissed or dispensed from employment with a Public Administration due to persistent insufficient performance;
- have been declared to have lost their right to another position in state employment, pursuant to Article 127(d) of Italian Presidential Decree no. 3 of 10 January 1957;
- have incurred criminal convictions incompatible with the status of public employee that would entail, on the part of the University that issued the call for applications, the application of the loss of right to employment pursuant to Article 127(1)(d) of Italian Presidential Decree no. 3 of 10 January 1957, or dismissal;
- are related up to and including the fourth degree of kinship and affinity to a professor within the Department that is proposing the contractual assignment (<https://www.uniud.it/it/cercapersone?afferenza=107403>), or to the Rector, the Director General or a member of the Board of Governors of the University (https://www.uniud.it/it/ateneo-uniud/ateneo-uniud-organizzazione/organi-ateneo/composizione_organ/?organo=Consiglio%20di%20amministrazione%20);
- are already employed on a permanent contract at Italian universities as a full or associate professors or as a researcher on a permanent contract, even if they have ceased their service;
- have already benefited, for at least three years, from contracts pursuant to Article 24 of Italian Law no. 240/2010, as amended by Italian Law no. 79/2022 (RTT);
- have benefited from working relationships referred to in Articles 22, 22-bis and 22-ter and contracts referred to in Article 24 (RTT) of Italian Law 240/2010 for a period of time that, if added to the expected duration of the contract indicated in the call for applications, would exceed a total of 11 years, even if not on a continuous basis.

Candidates are admitted to the selection procedure subject to checks that they possess the necessary requirements; the Administration may at any time, even after the discussion, exclude them from the selection procedure.

Exclusion from the procedure is ordered by a reasoned decree of the Rector and notified to the interested party by registered letter with acknowledgement of receipt or to the certified email address indicated by the candidate during the application phase.

This Administration guarantees equality and equal opportunities between men and women as regards access and conditions at work.



Article 3

Application for admission – methods and deadlines for submission

The application to participate in the selection procedure, together with the qualifications held, the documents and publications considered useful for the purposes of assessment must be submitted, **under penalty of exclusion, exclusively** using the appropriate electronic procedure, available at the web address: <https://pica.cineca.it/uniud>. **This is the only valid method to submit applications and the documents considered useful for participating in the selection procedure.**

The application must be prepared and submitted electronically **by and no later than 1 pm (Italian time), on the thirtieth day following that of publication of the call for applications in the Official Gazette of the Italian Republic – IV special series.** If the deadline date is a holiday, the deadline date is extended to the first non-holiday business day.

The application programme can be accessed via SPID, by choosing the University of Udine on the page of available federations; alternatively, the computer application will necessarily require the possession of an email address in order to register with the system. Candidates must enter all the data required for the submission of their application, attaching all documents in electronic PDF format.

The application form must be completed in full, as specified by the online procedure. Up to the deadline date for submitting applications, the procedure allows candidates to save the data entered in “draft” mode so that it can be modified and/or supplemented. The application for admission to the procedure must be completed definitively by the aforesaid deadline and the date of electronic submission will be certified by the computer system by means of a special receipt that will be automatically sent by email. Once the application has been submitted and the confirmation email has been received, candidates will no longer be able to access their application to modify it, but will only be able to withdraw it by using the Withdraw button on the home page (dashboard). If required, a candidate may submit a new application. After the deadline for submitting the application, the system will no longer allow the electronic application form to be accessed or submitted.

If **access is via the Public Digital Identity System (SPID)**, candidates will not be required to sign their application and it will be sufficient to click on the “Submit” button.

If access is not via SPID, the application for admission must be submitted and concluded in the manner described in the online procedure:

- **by digitally signing the document on one's own personal computer**: to digitally sign the document one must have the right hardware (for example smart card or USB device with a digital signature certificate issued by an accredited Certifier) or digital signature software with which to generate, from the PDF file of the document downloaded from the site, the signed file in pdf.p7m format to be uploaded to the site itself;

- **by signing the document on the ConFirma server**: to digitally sign the document one must have the right hardware (for example smart card or USB device with a digital signature certificate issued by an accredited Certifier) compatible with the ConFirma service. After signing, it will be possible to download the signed PDF;

- if it is not possible to use one of the above options, a candidate can **sign the document manually**: to manually sign the document, the candidate must download the PDF of the document onto their computer, print it, sign it manually, scan it into a PDF file and upload it to the site.

Each application will be assigned an identification number that, together with the competition code indicated by the IT application, must be specified in all communications regarding the procedure. The candidate must pay a fee of € 20.00, as



a partial refund of the competition expenses, by selecting the PagoPA method contained in the application. A candidate who resides abroad and does not hold a current account in Italy can select the payment method by bank transfer and make the payment to the bank account in the name of the University of Udine at INTESA SANPAOLO, Via del Monte 1, Udine, IBAN IT59A0306912344100000046097, BIC/SWIFT code BCITITMM indicating the reason for payment: "Selection contribution - Competition code...". The payment receipt must be attached to the application.

The service may be subject to temporary technical suspensions not dependent on the University. To report problems solely of a technical nature, contact directly the technical support at the bottom of the Pica home page once the relevant University has been selected <https://pica.cineca.it/uniud>.

Any information or clarification on how to submit applications can be requested from the Academic Staff Selection Office (+39 0432-556429; +39 0432-556322; +39 0432-556308), email concorsidoc@uniud.it.

In their applications, candidates must indicate their surname and name, date and place of birth, tax ID code, residence and the address they choose for the purposes of the competition, as well as a telephone number, email address and/or certified email address (recommended choice). Any change must be promptly notified to the Academic Staff Selection Office via certified email to amce@postacert.uniud.it, or email to concorsidoc@uniud.it. The University Administration assumes no responsibility in the event of the recipient being untraceable and of the loss of communications due to inaccurate indication of the candidate's contact details or failure or late communication of any change to the address indicated in the application. Furthermore, the University Administration assumes no responsibility for any failed or late delivery of communications relating to the competition for reasons not attributable to the Administration itself, but to postal or telegraphic problems, that are due to third parties, to unforeseeable circumstances or force majeure.

Candidates must, compulsorily, declare under their own responsibility:

- 1) the citizenship they hold;
- 2) the enjoyment of civil and political rights;
- 3) that they have not been convicted with a final judgment of any criminal offence and that they have no ongoing criminal proceedings. Conversely, they must indicate the convictions and ongoing criminal proceedings;
- 4) if an Italian citizen: the municipality in whose electoral lists they are registered, specifying and indicating, where appropriate, the reasons for not being registered or for having been deleted from the lists; if a foreign citizen: that they enjoy civil and political rights in the state they are part of or their state of origin, or the reasons for not enjoying them;
- 5) their current status with regard to military obligations (only for Italian citizens born up to 1985);
- 6) that they have not been dismissed or dispensed from employment in a Public Administration;
- 7) the address that they have chosen for the purposes of the procedure, if different from their residence, as well as a telephone number, email address and/or certified email address;
- 8) that they are not related up to and including the fourth degree of kinship and affinity to a professor within the Department that proposes the appointment or to the Rector, the Director General or a member of the Board of Governors of the University.



- 9) that they are not already employed on a permanent contract at an Italian university as a full or associate professor or as a researcher, even if they have ceased their service;
- 10) that they have not already benefited, for a period of at least three years, from contracts pursuant to Article 24 of Italian Law no. 240/2010;
- 11) that they have not benefited from working relationships referred to in Articles 22, 22-bis and 22-ter and contracts referred to in Article 24 (RTT) of Italian Law 240/2010 for a period of time that, if added to the expected duration of the contract indicated in the call for applications, would exceed a total of 11 years, even if not on a continuous basis.
- 12) whether or not they have held, for at least one year, a fixed-term researcher contract pursuant to Article 24(3)(a) or held, for at least three years, one or more research grants pursuant to Article 22 of Italian Law no. 240/2010, in the text prior to the entry into force of Italian Law no. 79/2022 that converted Italian Decree Law no. 36/2022;
- 13) whether or not they have attended, for at least thirty-six months, even cumulatively, PhD courses or carried out research activities on the basis of formal awards of assignments, excluding those with no remuneration, at Italian or foreign universities or research institutes, other than the University of Udine;
- 14) that they possess the eligibility requirement specified in Article 2 of this call for applications;
- 15) that they are aware that foreign candidates will be tested as regards their knowledge of the Italian language;
- 16) that they have taken note of the cases of incompatibility provided for by Article 14 of this selection notice;
- 17) any need they may have for assistance and/or additional time in relation to a disability pursuant to Italian Law no. 104/1992;
- 18) that they are aware that communications will be issued to candidates, unless otherwise provided for, by means of publication on the institutional website;
- 19) that they are aware that “anyone who makes false statements, creates forged documents or makes use of them [...] shall be punished pursuant to the Italian Criminal Code and special laws on such matters [...]”, in accordance with the provisions of Article 76 of Italian Presidential Decree no. 445 of 28 December 2000.
- 20) that they are aware that “[...] if the checks referred to in Article 71 reveal that the content of the declaration is untrue, the declarant will forfeit any benefits resulting from the provision issued on the basis of the untrue declaration”, pursuant to Article 75 of Italian Presidential Decree no. 445 of 28 December 2000.

Any changes that may occur after candidates have submitted their application for participation must be promptly communicated to the Academic Staff Selection Office.

Candidates must also attach the following to their application submitted on the IT platform:

- a) a photocopy of a valid identity document (front and back);
- b) curriculum vitae, signed and dated, (drawn up in Italian or in English) which precisely outlines their research, teaching and supplementary teaching and student tutoring activities and, if required, any care assistance activities, together with all the relevant information for the purposes of assessment according to the criteria specified in Italian Ministerial Decree no. 243 of 25 May 2011;
- c) numbered list of scientific publications submitted for the selection process



- (within the limit referred to in Article 1 of this call for applications). The numbering in the list must correspond to the numbering of the publications uploaded to the IT platform, in compliance with the maximum number if provided for in Article 1. Publications contained in the list but not produced (in the sense that the PDF is missing or only partially uploaded) will not be taken into consideration by the Selection Board;
- d) scientific publications attached for the purposes of the selection process (within the limit referred to in Article 1 of this call for applications), referred to in the previous list;
 - e) list of scientific publications held;
 - f) additional documents and qualifications that the candidate deems useful to attach for the purposes of the selection process;
 - g) in the case of a PhD obtained abroad, the decree of equipollency to the Italian qualification, for those who already possess it, or a copy of the request for academic recognition sent to a University, or a copy of the request for equivalence sent to the Presidency of the Italian Council of Ministers, as provided for by Article 2 of the call for applications;
 - h) any medical certification for the enjoyment of the benefits referred to in Italian Law 104/1992 (*need for assistance*);
 - i) payment receipt of € 20.00 (if made by bank transfer).

Only documentation received within the peremptory time limit indicated in the call for applications will be considered validly submitted. No qualifications awarded or submitted after the expiry date in the call for applications may be entered for assessment. It is not permitted to submit attachments to the application in the form of links to files residing on “online storage/file sharing” services or web pages.

Deeds and documents drawn up abroad by foreign authorities must be legalised by the Italian diplomatic or consular services abroad and, if drawn up in a foreign language, must bear a translation into Italian certified by the competent diplomatic or consular service or by an official translator, as conforming to the foreign text.

Citizens of the European Union can prove possession of their qualifications by:

- indicating them in the curriculum vitae, declaring that all the indicated facts and statuses are to be considered declared pursuant to and for the purposes of Articles 46 and 47 of Italian Presidential Decree no. 445 of 28 December 2000;
- attaching the documents in PDF format, declaring their conformity with the original.

Citizens of non-EU States regularly residing in Italy may use declarations in lieu referred to in Articles 46 and 47 of Italian Presidential Decree no. 445/2000 only in respect of statuses, personal qualities or facts that may be certified or attested by Italian public bodies, without prejudice to the special provisions contained in the laws and regulations governing immigration and the status of foreigners.

Citizens of non-EU States authorised to reside in Italy may use the aforementioned declarations in lieu in cases where they are produced pursuant to international conventions between Italy and the declarant's country of origin.

For citizens of non-EU States not authorised to reside in Italy, statuses, personal qualities and facts may be documented by means of certificates or attestations issued by the competent authority of the foreign State, accompanied by an Italian translation authenticated by the Italian consular authority which certifies its conformity to the original.

If the subject matter of the declaration in lieu is not clearly identified in terms of its nature, duration, time setting and the institution concerned, the Selection Committee may disregard it.

Pursuant to Article 40 of Italian Presidential Decree no. 445/2000 and subsequent



amendments, as amended by Article 15 of Italian Law no. 183/2011, no certifications issued by Public Administrations may be submitted as from 1 January 2012. Therefore, the certificates must be replaced by declarations in lieu of certifications or by affidavits referred to in Articles 46 and 47 of the same Italian Presidential Decree no. 445/2000 as amended. Qualifications submitted with different procedures will not be assessed. The Administration reserves the right to carry out appropriate checks on the veracity of the content of the declarations in lieu. Any candidate who issues false declarations shall be subject to the sanctions provided for by the Italian Criminal Code and related special laws (Article 76 of Italian Presidential Decree no. 445 of 28 December 2000) and shall forfeit any benefits resulting from the provision issued on the basis of the untrue declaration, if the checks carried out by the Administration reveal that the content of the declaration is untrue (Articles 71 and 75 of Italian Presidential Decree no. 445 of 28 December 2000, n. 445).

The Administration will not take into consideration any applications that do not comply with the provisions in this article. **No additional documentation can** be submitted after the deadline.

Article 4 Selection Board

The Selection Board is appointed by the Rector and is selected in accordance with the provisions contained in Article 8 of the Regulations for fixed-term researchers in Tenure Track, available via the following link:

<https://www.uniud.it/it/ateneo-uniud/normativa/regolamenti/personale/personale-docente/regolamento-rtt/regolamento-per-i-ricercatori-a-tempo-determinato-in-tenure-track-rtt>. The Rector's Decree announcing the appointment of the Selection Board will be published on the University's website, available at the following link: <https://www.uniud.it/it/ateneo-uniud/concorsi-bandi-uniud/concorsi/bandi-docenti-ricercatori/ricercatori-a-tempo-determinato-in-tenure-track-rtt>

The day following the date of publication of the Rector's Decree announcing the appointment of the Selection Board, will indicate the start of the period of thirty days for the candidates to submit to the Rector any requests objecting to members of the Selection Board due to incompatibility. Any requests of objection, duly signed and dated, may be sent to the Academic Staff Selection Office, by email to concorsidoc@uniud.it, by certified email to amce@uniud.it, by using the form available via the following link: <https://www.uniud.it/it/ateneo-uniud/concorsi-bandi-uniud/concorsi/bandi-docenti-ricercatori/info-docenti-ricercatori/modulistica>

If all candidates declare that there are no grounds for objecting to any members of the Selection Board, the deadline shall expire prior to the specified date.

Article 5 Renunciation of candidates from the selection procedure

If a candidate decides to renounce their participation in the selection procedure after the deadline for submitting applications has expired, they must complete the form available on the University's website at:

<https://www.uniud.it/it/ateneo-uniud/concorsi-bandi-uniud/concorsi/bandi-docenti-ricercatori/info-docenti-ricercatori/modulistica>. The form must be signed with a digital signature, or with a physically handwritten signature on the original and accompanied by an identification document, and promptly sent by email to concorsidoc@uniud.it or by certified email to amce@postacert.uniud.it



Article 6 Selection procedures

The assessment procedure is conducted in two phases:

Preliminary assessment: the Selection Board performs the preliminary assessment of the candidates who possess the requirements, expressing a reasoned analytical opinion regarding their qualifications, curriculum and scientific production, including their PhD thesis, according to the criteria and parameters that are also recognized in the international field and outlined in Italian Ministerial Decree no. 243 of 25 May 2011.

The assessment criteria are published on the University's Official Notice Board, as well as on the University website, in the section reserved for selection procedures of fixed-term researchers in Tenure Track, available at the following address: <https://www.uniud.it/it/ateneo-uniud/concorsi-bandi-uniud/concorsi/bandi-docenti-ricercatori/ricercatori-a-tempo-determinato-in-tenure-track-rtt>

Following the preliminary assessment, the most deserving candidates on comparison, amounting to between 10 and 20 percent of the original number of candidates and in any case not less than six candidates, will be eligible for the public discussion of their qualifications and scientific production.

If their number is equal to or less than six, all the candidates will be eligible for the discussion.

The date and time of the discussion and the list of those eligible will be published no less than twenty days before it takes place, on the University's online Notice Board and on the University's website at: <https://www.uniud.it/it/ateneo-uniud/concorsi-bandi-uniud/concorsi/bandi-docenti-ricercatori/ricercatori-a-tempo-determinato-in-tenure-track-rtt>

This notice, to all intents and purposes, serves as official notification, without any further communication being required. Candidates are required to connect to the competition website in order to find out all the necessary information regarding the selection.

Interview: the second phase consists of the public discussion of qualifications and scientific production. The discussion will be held in Italian and will not involve any scoring, but it will be useful in the overall assessment. At the same time, during the public discussion of the qualifications and scientific production, the Selection Board will ascertain the knowledge of the foreign language, if required, and the adequate knowledge of the Italian language, for foreign candidates, if required.

The discussion will take place publicly, via electronic means, using audio and video teleconference tools in compliance with the provisions of the University Guidelines adopted by Rector's Decree no. 344 of 11 April 2022 and available on the University's website at:

https://www.uniud.it/it/ateneo-uniud/concorsi-bandi-uniud/concorsi/bandi-docenti-ricercatori/info-docenti-ricercatori/linee_guida

The candidates must present themselves at the discussion with a valid identity document or equivalent identification document pursuant to Article 35(2) of Italian Presidential Decree no. 445 of 28 December 2000. If a candidate fails to attend the aforementioned scheduled interview, this will be considered an explicit and definitive expression of the candidate's will to withdraw from the selection. The University of Udine declines any responsibility in the event that technical problems, attributable to the interested party, prevent the regular conduct of the public discussion by videoconference.



At the end of the proceedings, the Selection Board, on the basis of the assessment carried out as well as on the basis of the scores awarded, shall draw up the ranking list on merit and indicate the successful candidate from the selection procedure.

The maximum attributable score is 100 and is broken down as follows:

- qualifications and curriculum 50 points
- publications 50 points

The final assessment is considered positive if the candidates achieve an overall score of not less than 60/100.

Article 7 **Assessment of qualifications and curriculum**

Pursuant to Article 2 of the aforementioned Ministerial Decree no. 243/2011, when the Selection Board conducts the preliminary comparative assessment of the candidates, it assesses the candidates' curriculum vitae and the following duly documented qualifications:

- a) PhD or equipollent qualification, or, for the sectors concerned, the medical specialisation diploma or equivalent, obtained in Italy or abroad;
- b) any teaching activity at university level in Italy or abroad;
- c) documented training or research activities at qualified Italian or foreign institutes;
- d) documented activities in the clinical field in relation to the sectors in which such specific skills are required;
- e) conduct of project activities in relation to the subject area groups in which they are envisaged;
- f) organisation, direction and coordination of, or participation in, national and international research groups;
- g) ownership of patents in relation to the subject area groups in which they are envisaged;
- h) speaker at national and international congresses and conferences;
- i) national and international awards and recognitions for research;
- j) European specialisation diploma recognised by international Boards, in relation to those subject area groups in which it is envisaged.

Each qualification is assessed, specifically considering the significance that it assumes in terms of the quality and quantity of the research activity carried out by each individual candidate, as well as the coherence of each qualification with the subject area indicated in the call for applications.

Article 8 **Assessment of scientific production**

Pursuant to Article 3 of the aforementioned Italian Ministerial Decree no. 243/2011, when the Selection Board conducts the preliminary comparative assessment of the candidates, it only takes into consideration publications or texts accepted for publication according to the regulations in force, as well as essays included in collective works and articles published in paper-based or digital journals with the exclusion of internal notes or interdepartmental reports if they do not have an international ISSN or ISBN code. The texts and articles accepted for publication by the deadline for the call for applications must be submitted together with the related acceptance letter from the publisher.

No publication can be larger than 30MB. If an individual publication that is to be attached is larger than 30MB, the candidate must contact the office at concorsidoc@uniud.it



Any publications that are not sent together with the application for participation, according to the procedures and by the deadline indicated in this call for applications, will not be taken into consideration by the Selection Board. It should also be noted that only the documentation relating to qualifications, publications and curricula uploaded by those who submit their application on the PICA platform will be assessed by the Selection Board. In particular, only the information available in the actual application will be used, whereas no use will be made of information available via links to web pages included in the curricula attached to the application.

Each candidate shall produce their publications, with a maximum number of 12 as provided for in Article 1 of this call for applications, declaring that the copy conforms to the original.

If a candidate submits a number of publications exceeding the indicated limit, the Selection Board will proceed to assess a number of publications in line with the above limit and in the order shown in the "List of publications submitted" by the candidate. If the candidate does not submit such a list, the number assessed will be in line with the above limit, taking into account the most recent ones according to date of publication.

It should be noted that, pursuant to Italian Ministerial Decree 243/2011, the PhD thesis, or thesis of an equipollent qualification, is to be considered a publication and, thus, if submitted, it will be counted as being part of the maximum number of permitted publications.

For publications published in Italy up to 01 September 2006, the obligations provided for by Article 1 of Italian Legislative Decree no. 660 of 31 August 1945 and after that date, by Italian Law no. 106 of 15 April 2004, and by Italian Presidential Decree no. 252 of 03 May 2006 must be fulfilled. For publications printed abroad, the following details must appear, if possible: the date, place of publication or, alternatively, the ISBN or ISSN code or other equivalent code.

A translation into Italian or English, certified as compliant with the foreign text, must be attached to the submitted scientific publications written in a foreign language. This translation must be written by a competent diplomatic or consular representation or by an official translator.

The above-mentioned translation is not required when the scientific publications are written in English and when the selection procedure concerns a linguistic field and, therefore, the submitted publications are written in the language or languages for which the selection is announced.

The Selection Board conducts the comparative assessment of the publications referred to in this article on the basis of the following criteria:

- a) originality, innovation, methodological rigour and relevance of each scientific publication;
- b) coherence of each publication with the subject area group for which the selection procedure was announced and with the profile indicated in Article 1, or with interdisciplinary issues related to them;
- c) scientific importance of the journal in which each publication appears and its readership within the scientific community;
- d) detailed assessment, also by applying criteria recognised by the relevant international scientific community, of the individual contribution of the candidate when participating in collaborative work.

Within the subject area groups in which their use is consolidated at an international level, the Selection Board shall also make use of the following indicators, when assessing the submitted publications:

- a) total number of citations;



- b) average number of citations per publication;
- c) total "impact factor";
- d) average "impact factor" per publication;
- e) combination of the preceding parameters in order to assess the impact of the candidate's scientific output (Hirsch or similar index).

The Selection Board must also assess the overall weight of the scientific output of the candidates, its intensity and continuity over time, excluding any adequately documented periods when work was involuntarily suspended, with particular reference to the performance of parental duties.

The Selection Board, in compliance with the applicable copyright law, shall use the publications submitted by the candidates exclusively for the purposes of this procedure.

Article 9

Checks on the regularity of the documents

The documents of the Selection Board consist of the minutes of the meetings and their annexes, the ranking list on merit and the final summary report of the work carried out.

Within thirty days of these documents being handed over, and after checking on the regularity of the procedure, the Rector shall approve them by decree. Conversely, the Rector shall send the documents back to the Selection Board, assigning them, at the same time, a peremptory deadline for putting them right. The decree approving the documents and the ranking list on merit are made public in the University's official online Notice Board and on the University's website. The terms for any appeals or objections shall run from the date of publication of the approval decree on the University's official online Notice Board. This publication, to all intents and purposes, serves as official notification, without any further communication being required.

Article 10

Proposal to call

The Department Board that requested the publication of the call for applications, as required by Article 10 of the University Regulations, shall, within 45 days of the issuance of the decree approving the documents, formulate its proposal to call the researcher with the vote in favour of the absolute majority of professors and researchers on permanent and fixed term contracts. The Department's proposal to call is approved by resolution of the University's Board of Governors, after obtaining the opinion of the Academic Senate.

The contract must be signed within ninety days of the conclusion of the selection procedure.

If it becomes necessary to replace the successful candidate, because they renounce the assignment or their contract is terminated early, the Department may propose to approach any eligible candidates on the ranking list, compatibly with the available financial coverage.

Article 11

Signing of the contract and rules governing the employment relationship

At the end of the call procedure referred to in the previous article, the candidate is invited to enter into an individual contract aimed at establishing a fixed-term employment relationship on a full-time basis, in order to perform research, teaching, supplementary teaching and student tutoring activities.



The aforementioned contract has a total duration of six years and is not renewable. The researcher shall perform their work as established by the contract and as part of the planning of the competent bodies. The research activity is carried out under the direction of the Head of the Research Project. The performance of the research activity must be annual self-certified by the researcher and validated by the Head of the Research Project or, failing that, by the Director of the Department. For cost reporting on research projects, the notional quantification of annual research, study and teaching activities, together with the related preparatory, assessment and organisational tasks, amounts to 1500 hours per year. The performance of frontal teaching activities and other activities related to teaching is recorded respectively by the register of lessons and the register of teaching commitments.

The rights and duties of the researcher are governed by the current legal provisions on the legal status of university teaching staff and by the current Code of Ethics of the University of Udine.

The researcher is required to comply with the internal provisions on the protection of intellectual and industrial property and confidentiality, as well as the directives of the Scientific Supervisor concerning the dissemination of knowledge and know-how acquired during the performance of their activity.

There is a probationary period of three months. During the probationary period, either party may withdraw from the relationship at any time without prior notice, with immediate effect from notification to the other party. Once this probationary period has ended and if the employment relationship has not been terminated by one of the two parties, the researcher is considered confirmed in service.

The termination of the employment relationship is determined by the expiry of the term or by the withdrawal of one of the parties, in the event that a cause occurs that does not allow the continuation of the employment relationship.

The researcher may withdraw from the contract, before the expiry of the final term, giving the University at least sixty days' notice. If the researcher fails to comply with the period of notice requirement, the University has the right to withhold from the researcher an amount corresponding to the remuneration in relation to the period of notice not given.

If a cause occurs that does not allow the continuation, even on a provisional basis, of the employment relationship, withdrawal for just cause referred to in Article 2119 of the Italian Civil Code is allowed.

The researcher is subject to the health checks provided for by Italian Legislative Decree 81/2008 as amended.

The researcher is subject to the disciplinary competence of the Board pursuant to Article 10 of Italian Law no. 240 of 30 December 2010;

For any regulatory aspects not covered by the call for applications, the rules of the Italian Civil Code shall apply to the employment relationship due to compatibility, as well as the current regulations on subordinate employment - also regarding tax, welfare and social security conditions - the Statute and the Regulations of the University of Udine.

The contract does not give rise to any rights regarding the access to permanent positions at the University.

Article 12 Remuneration

The gross annual income is € 47,070, corresponding to 120% of the initial salary due to a full-time confirmed researcher, subject to subsequent adjustments.



Article 13 Formal documents

During entry into service, the interested party, if an Italian citizen or citizen of another EU-Member State, shall issue a declaration made pursuant to Italian Presidential Decree no. 445 of 28 December 2000, which indicates:

- a) their enjoyment of civil and political rights on the expiry date of the call for applications;
- b) any pending legal charges on the expiry date of the call for applications;
- c) the composition of their family unit;
- d) that they do not hold other employment positions with the State, local authorities, other Public Administrations or private bodies or, if they do, their opting for the new employment position.

If not belonging to a State of the European Union, the researcher must submit within the period established by the Administration, pursuant to Article 3 of Italian Presidential Decree no. 445 of 28 December 2000, under penalty of forfeiture of the right to the assigned post:

-the certificate with equivalent force to the general criminal record certificate issued by the competent Authority of the State of which the foreign candidate is a national. The certificate thus issued must be legalised by the Italian diplomatic or consular services abroad and, if drawn up in a foreign language, it must bear a translation into Italian certified by the competent diplomatic or consular service or by an official translator as conforming to the foreign text.

If the foreign citizen is residing in Italy pursuant to Article 3 of Italian Presidential Decree no. 445 of 28 December 2000, in addition to the aforementioned certificate they must also declare the absence of any criminal convictions and charges pending in Italy.

Article 14 System of Incompatibilities

The fixed-term subordinate employment contract entered into with the researcher **cannot be combined with:**

- PhD scholarships or other scholarships in general or research scholarships, awarded by national or foreign institutions, unless these are aimed at international mobility for research purposes;
- research fellowships or research contracts, also at other universities or public research institutions in Italy or abroad;
- the practice of trade and industry;
- the performance of freelance professional activities;
- any other subordinate employment relationship, whether with public or private entities.

For the duration of the contract, employees of public administrations are granted leave of absence, without social security allowances or contributions, or are placed in a position of secondment if such a position is provided for by the regulations to which they belong. The system of extra-institutional assignments and incompatibilities of researchers is governed by the relevant laws and Regulations in force.

Article 15 Processing of personal data



In accordance with current legislation on personal data, Reg. (EU) 2016/679 and Italian Legislative Decree 196/2003, the Data Controller is the University of Udine with headquarters in via Palladio 8, 33100 Udine (UD), which can also be contacted at the following email address datipersonali@uniud.it. Data is collected for the obligations related to the selection procedure and the possible conclusion and management of the subordinate employment contract. In compliance with the obligations of publicity provided for by law, the outcome of the selection and the assessments are public and, therefore, the names are also disseminated through the website of the Data Controller. The information is disclosed, made available or shared, in accordance with the Law, with the competent Public Administrations in relation to the legal-economic position of the data subject. The data subject may at any time request access, rectification, deletion (compatibly with the Data Controller's retention obligations) and restricted processing or, with reference to personal data processed in an automated manner, the right to portability of the data. Data subjects can always lodge a complaint with the Italian Data Protection Authority. For more information, data subjects should consult the extended privacy policy available on the Data Controller's website, in the privacy section, which can be reached via the following link: <https://www.uniud.it/privacy> under the heading "Selection procedures".

Article 16 Procedure Supervisor

The Procedure Supervisor for public selections is Ms Silvia De Liddo – Human Resources and General Affairs Department – Academic Staff Office.

Article 17 Publicity

The notice of the call for applications is published in the Official Gazette of the Italian Republic – IV special series. The full text of the call for applications is published on the University's institutional website at: <https://www.uniud.it/it/ateneo-uniud/concorsi-bandi-uniud/concorsi/bandi-docenti-ricercatori/ricercatori-a-tempo-determinato-in-tenure-track-rtt> and on the University's Official Notice Board, and notice thereof is also given on the website of the Italian Ministry of Universities and Research and of the European Union.

Article 18 Final provisions

For any matters not covered in this call for applications and as far as compatible, the current "Regulations for fixed-term researchers in Tenure Track (RTT)" of the University of Udine shall apply, as well as the laws and regulations mentioned in the recitals, as well as the laws in force relating to such matters.

The masculine terms used in this call for applications refer to people of both sexes.

The Rector
Prof. Angelo Montanari