

# CALL FOR APPLICATIONS

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**Admission to the Doctoral Programme in  
Civil, Environmental and Mechanical Engineering  
39th cycle – SECOND CALL  
ACADEMIC YEAR 2023/2024**

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**N.B. Please note that only the Italian version of the present call issued with Rector's Decree no. 625 of July 20th, 2023 is legally binding; the English version is provided for information only**

**Art. 1 – SUBJECT OF THE CALL**

The University of Trento opens the call for applications for the admission to the 39<sup>th</sup> Cycle (Academic Year 2023/2024) of the Doctoral Programme in “Civil, Environmental and Mechanical Engineering” as follows:

**Deadline for application:** **September 4<sup>th</sup>, 2023**, hrs. **4.00 PM** (Italian time, GMT +2)

**Positions:** no. 15

**Scholarships:** no. 14 (of which 12 on reserved topics)

**Research fellowships** for the coverage of a PHD position: no. 1

**Supernumerary positions without scholarship:** no. 4 (see art. 7)

Positions are divided as follows:

<b>Curriculum A: Civil and Environmental Engineering</b>	<b>Nr.</b>	<b>Topics of reserved scholarships<sup>1</sup></b>
<b>Financer</b>		
University of Trento scholarships	2	
University of Trento and Department of Civil, Environmental and Mechanical Engineering scholarships	1	<b>A1</b> – Chaos and morphological predictions in fluvial and tidal systems (Scientific contact persons: Annunziato Siviglia, Henk A.Dijkstra, Marco Toffolon)
Scholarships funded by MUR (Italian Ministry of University and Research) within the action "Dipartimenti di Eccellenza 2023-2027 (Legge 232/2016)", Dipartimento di Ingegneria Civile, Ambientale e Meccanica, CUP no. E63C22003880001"	1	<b>A2</b> – Hybrid Machine Learning and Process-based modeling in environmental applications (Scientific contact person: Alberto Bellin)
<b>Additional positions with scholarship within the PNRR project, Mission 4, component 2</b>	<b>1</b>	Please check on page 4
<b>Nr. of positions</b>	<b>5</b>	
Supernumerary positions (see art. 7)	1	

<b>Curriculum B: Mechanics, Materials, Chemistry and Energy</b>	<b>Nr.</b>	<b>Topics of reserved scholarships</b>
<b>Financer</b>		
University of Trento – Bruno Kessler Foundation (FBK)	1	<b>B1</b> – Development of high-performance MEMS inertial sensors (Scientific contact persons: Maria F. Pantano, Alvisè Bagolini)
Scholarships funded by MUR (Italian Ministry of University and Research) within the action "Dipartimenti di Eccellenza 2023-2027 (Legge 232/2016)", Dipartimento di Ingegneria Civile, Ambientale e Meccanica, CUP no. E63C22003880001"	1	<b>B2</b> – Metamaterials and metasurfaces for space applications (Scientific contact persons: Oreste S. Bursi, Marco Broccardo, Giacomo Oliveri)
Department of Civil, Environmental and Mechanical Engineering scholarship within the Project HORIZON EUROPE ERC 2022 COG S-FOAM, GA n° 101086644 – CUP E63C23000510006	1	<b>B3</b> – Enhancing Self-Foldability and Shape-Morphing in Origami/Kirigami-Based Metamaterials (Scientific contact person: Diego Misseroni)
<b>Nr. of positions</b>	<b>3</b>	
Supernumerary positions (see art. 7)	1	

<sup>1</sup> Reserved scholarships and the fellowship can only be assigned to those candidates who will ask for and obtain the specific eligibility. The request for reserved scholarship/s/fellowship must be consistent with the curriculum/a chosen (i.e. if you choose curriculum A, you can select only the reserved scholarship of that curriculum); inconsistent requests will be disregarded.

<b>Curriculum C: Modelling and Simulation</b>	<b>Nr.</b>	<b>Topics of reserved scholarships</b>
<b>Financer</b>		
University of Trento and Department of Civil, Environmental and Mechanical Engineering scholarships	1	<b>C1</b> – Innovative methods in Monitoring and Uncertainty Quantification of critical bridges Candidates interested in this scholarship can develop their research project on one of the following sub-topics: <ul style="list-style-type: none"> <li>▪ Stochastic simulator-based uncertainty quantification for fluid induced seismicity (Scientific contact person: Marco Broccardo)</li> <li>▪ Vibrational bridge monitoring based on single pass SAR satellite images (Scientific contact person: Daniele Zonta)</li> </ul>
<b>Additional positions with scholarship within the PNRR project, Mission 4, component 2</b>	<b>3</b>	Please check on page 4
<b>Nr. of positions</b>	<b>4</b>	
Supernumerary positions (see art. 7)	1	

<b>Curriculum D: Architecture and Planning, Landscape</b>	<b>Nr.</b>	<b>Topics of reserved scholarships</b>
<b>Financer</b>		
University of Trento scholarships	1	
Eurac Research Research Fellowship	1	<b>D1</b> – Dynamic and multi-sensory variability in indoor environments to transform comfort-energy trade-offs into opportunities for more flexible and healthier buildings (Scientific contact persons: Rossano Albatici, Francesco Babich, Simone Torresin)
HEAD-Genuit-Stiftung	1	<b>D2</b> – Development of a “Noise Footprint” framework (Scientific contact persons: Gianluca Maracchini, Simone Torresin, Francesco Aletta)
<b>Nr. of positions</b>	<b>3</b>	
Supernumerary positions (see art. 7)	1	

According to the Directorial Grant Decrees 1058/2022 and 1031/2022, **no. 4 additional positions supported by a scholarship under the Italian National Recovery and Resilience Plan (NRRP) Mission 4, component 2** are published (see the file "[Research subjects](#)" for details).

The research projects related to the individual scholarships referred to in the previous paragraph must comply with the following requirements set forth by the PNRR funding:

- be coherent with the EU Regulations 2021/241 goals and purposes, with the NRRP general strategy and the specific NRRP mission;
- be focused on achieving the results possibly set by the NRRP targets and milestones;
- be compliant with the principle of "do not significant harm" (DNSH) according to art. 17 of the EU Regulations 2020/852 and with the technical directions given by the European Commission (European Commission Notice 2021/C58/01);
- be suitable to deal with and to fill the gap of gender inequality;
- support the participation of women and young people in the management of the NRRP, also according to the Legislative Decree of May 31, 2021, no. 77 (so called Decreto Semplificazioni), as modified by Conversion Law of July 28, 2021, no. 108.

The selection and the assignment of the additional scholarship can be only on the specific reserved topic described in the attachment "[Research subjects](#)" available at the [call webpage](#), and summarized as follows:

<b>Curriculum A: Civil and Environmental Engineering</b>	<b>N.</b>	<b>Topics of reserved scholarships</b>
<b>Project</b>		
iNEST - Interconnected Nord-Est Innovation Ecosystem (ECS00000043 – CUP E63C22001030007)	1	<b>A3</b> – Water management and risk mitigation strategies to reduce the pollution associated to stormwater urban runoff by preserving the natural capital (Scientific contact persons: Alessandra Marzadri, Giuseppe Formetta)

<b>Curriculum C: Modelling and Simulation</b>	<b>N.</b>	<b>Topics of reserved scholarships</b>
<b>Project</b>		
CN1 - National centre for HPC, SPOKE 7, (CN0000013 – CUP E63C22000970007)	2	<b>C2</b> – Innovative Wave-Manipulation Multiscale Metamaterial Design for the Smart Electromagnetic Environment (Scientific contact persons: Giacomo Oliveri, Andrea Massa, Paolo Rocca)
		<b>C3</b> – Exploring instabilities and bifurcations for advanced metamaterials (Scientific contact persons: Andrea Piccolroaz, Davide Bigoni, Luca Deseri)
CN1 - National centre for HPC, SPOKE 9, (CN0000013 – CUP E63C22000970007)	1	<b>C4</b> – Innovative metamaterials and metastructures for risk reduction and fitness for service of special risk industrial plants (Scientific contact persons: Oreste S. Bursi, Giacomo Oliveri)

The applicants are aware that the scholarship will be revoked in case:

- there are differences in the realisation of the doctoral path compared to the financed project, in case there is no approval of the changes from the Ministry.



The Programme offers 4 Curricula and each applicant may apply to **maximum 2 Curricula**. Within each Curriculum, the applicant can choose a **maximum of 2 specific research scholarships/fellowship** (indicated with a letter and a number, e.g. A1), which are linked to a specific research topic and which require specific competencies in that field. All those who participate in the call compete for free topic scholarships.

The scholarships/fellowship dedicated to specific research topics (reserved positions) may be assigned only to those applicants who specifically apply for them, because these positions are linked to a certain research topic for which specific skills are required. Applicants interested in one or more reserved positions must therefore carefully check on the [selection website](#) the topic and the required skills, and if the scholarship/fellowship entails the acceptance of confidentiality commitment and/or transfer of intellectual property rights (see the file "[Research subjects](#)" for possible details).

The positions supported by scholarships or other financial support may be increased after the publication of this call till the assessment of qualifications. All the new available positions will be posted solely on the [selection website](#).

**Additional positions:** scholarships/fellowships that will be available after the publication of this call (and published on the selection website) can be selected by using the entry "Other" in the proper section of the online application, and indicating in the specific space the title and ID of the position chosen. Applicants who have already closed and sent the application before the publication of additional positions can apply for those grants using an additional online application (more information will be given on the selection website).

Moreover, applicants selected by special committees for admission related to specific international mobility programmes in which the University of Trento participates, may also be admitted to the 39<sup>th</sup> Cycle in additional positions.

**PhD Programme Duration:** Three years

**Start of the Academic Year:** **November 1<sup>st</sup>, 2023**

**Official language:** English

- [Selection website](#)
- [Doctoral Programme website](#) (information on the Programme, admission to subsequent years and to the final examination)
- [Rights and duties of doctoral students](#)
- [Info about doctoral scholarships](#)
- [Scientific areas](#) (with reference to the Italian Ministerial classification)

**Important:**

- a. The dates of the selection and all selection results (interim and final), the possible exclusion from the selection due to an incomplete application (art. 3), the exclusion for foreign qualification not recognized as suitable (art. 2), and any notices related to the call will be published only on the [call webpage](#); the applicants **will be identified through the application ID therefore it is recommended to keep it safe**. The publication on the website is to all intents and purposes valid as official notification, and no personal communication will be sent.
- b. Possible communication related to the call for selection will be sent by e-mail to the applicants' personal email address connected to the account registered by the system when closing the application. Applicants with an active or just concluded career at the University of Trento are advised to check their personal email address at the link: [Profile data for account](#). In case you need to change your personal email address after the application closure, please send a request to the Doctorate Office S&T ([phd.office-st@unitn.it](mailto:phd.office-st@unitn.it)).

**Art. 2 – ADMISSION REQUIREMENTS**

1. Applications for doctoral positions are accepted from applicants, regardless of gender, age and nationality, who hold:
  - a. an Italian "Laurea Magistrale" or "Laurea Specialistica", according to the Ministerial Decree no. 509 of 03.11.1999, subsequently amended by Ministerial Decree no. 270 of 22.10.2004;
  - or
  - b. a university degree obtained at an Italian Institution belonging to the AFAM system (Alta Formazione Artistica e Musicale);
  - or
  - c. an equivalent foreign degree (Master's degree) obtained at an officially recognized academic institution, valid for admission to Doctoral studies in the Country it has been issued (except for substantial differences) and similar (duration and level) to



the Italian degree, recognized as eligible<sup>1</sup> by the Selection Committee for the sole purpose of accessing this specific Doctoral Programme<sup>2</sup>.

2. Applications are also accepted from students expected to obtain the necessary degree **by October 31<sup>st</sup>, 2023**. Admission to the Doctoral Programme for successful applicants who have not yet graduated will be “conditional” and the applicant will have to submit to the Doctorate Office S&T (via email to: [phd.office-st@unitn.it](mailto:phd.office-st@unitn.it)) **by November 8<sup>th</sup>, 2023, on penalty of exclusion**, the certificate awarded or a self-declaration (using the [Declaration substituting Degree Certificate](#) also available on the call website).
3. Applicants with a foreign qualification that has not been officially recognised as **equivalent<sup>3</sup>** to a second cycle Italian degree (Laurea Magistrale/Specialistica/vecchio ordinamento) will be considered as **requesting equivalence in their application**, by attaching the necessary supporting documents.  
It is in the applicant's interest to provide all the elements useful for the assessment, especially if the education system of the country where the qualification was obtained is not comparable to the Italian one.  
The Selection Committee may require the applicant to provide additional documentation if deemed necessary for the purpose of assessing the eligibility.
4. Applicants who have already obtained the Doctoral degree will be admitted to attend a second Doctoral Programme, after passing the selection procedure, provided that the prevailing subjects and scientific areas are different from those relating to the previous Doctoral degree. Applicants who have already benefited from a scholarship, even partially, cannot be assigned any scholarships in the new Doctoral Programme.

### Art. 3 – APPLICATION PROCEDURE

1. The application<sup>4</sup> must be **completed and submitted by hrs. 04.00 p.m. Italian time of September 4, 2023, exclusively through the online system: [Doctoral Programmes Applications](#)**  
Authentication to the registration procedure is possible through:
  - **SPID<sup>5</sup>**; candidates who own an Italian tax code and an Italian ID must access the registration procedure using the CIE (Electronic ID) or SPID, the Italian Public Digital Identity System, which automatically certifies the applicant's identity on the UniTrento systems and sets up an account as @unitn.it (more info about CIE at this link <https://www.cartaidentita.interno.gov.it/en/home/>). To request a SPID identity please visit the webpage: [How to activate the SPID identity](#);
  - **University of Trento account**: those who do have a University of Trento account can access the application procedure with their existing username ([name.surname@guest.unitn.it](mailto:name.surname@guest.unitn.it), or [name.surname@unitn.it](mailto:name.surname@unitn.it)). Please check [here](#) if you **forgot your password** and [here](#) to have more information on UniTrento [username and password](#);
  - **a UniTrento "guest" temporary account**: only those who do not have an Italian tax code or a University of Trento account can set up a temporary "guest" account. After the matriculation, this account will be converted into a final one as @unitn.it. Procedure at: [Account registration info](#)<sup>6</sup>.
2. To finalize the application a non-refundable **application fee of € 15** (fifteen) is to be paid by **PagoPA payment system<sup>7</sup>** according to the instructions given in the appropriate section of the online application.
3. The online application can be saved and modified several times until the final submission. Thereafter it can no longer be changed. **The online application is considered to be a self-declaration of personal data and qualifications with full legal effect.** It is the sole responsibility of the applicant to make sure that the online application has been successfully submitted and an email notification has been received. There will be no liability with the University in the event that an application is not submitted correctly.
4. When filling out the online application applicants can choose to apply, within one or **maximum two Curricula** (see art. 1), for one or **maximum 2 reserved scholarships/fellowship for each Curriculum**, specifying the order of preference. The order of preference is not binding for the Selection Committee. Applicants can choose possible additional scholarships/fellowships on reserved topics posted after the publication of the call following the instructions as already specified.

**Important:** the candidate's choice to compete also for the reserved scholarships/fellowship implies a preference on his/her part for the awarding of that specific scholarship/fellowship over the free topic ones.

5. **MANDATORY ATTACHMENTS** (failure to upload one or more mandatory attachments will result in automatic exclusion from the selection)
  - A. **Identifying document (ID):**  
A copy of the applicant's valid **identity card** (only EU citizens) or **passport** (non-EU citizens), in particular of the pages reporting his/her photograph, personal data, number, place and date of issue, expiry date and signature;
  - B. **Academic degree for admission to the Doctoral Programme:**
    - a. **Italian qualification:**

<sup>1</sup> The eligibility of foreign academic degrees is assessed by the Selection Committee, following the rules in force or the international treaties or recognition of academic qualifications.

<sup>2</sup> Details at: <http://www.cimea.it/en/servizi/il-sistema-italiano-di-istruzione-superiore/qualifiche-del-sistema-universitario.aspx>.

<sup>3</sup> For further information see at <http://www.cimea.it/en/servizi/procedure-di-riconoscimento-dei-titoli/procedure-di-riconoscimento-accademico-dei-titoli.aspx>

<sup>4</sup> The applicant can choose either Italian or English to fill in the application online.

<sup>5</sup> For more info visit the website: <https://www.spid.gov.it/en/what-is-spid/>

<sup>6</sup> Applicants are advised to register well in advance of the deadline. The issue of credentials (username and password) may require up to three working days. Those who already hold a UniTrento account but forgot the password can request a new one at: <https://icts.unitn.it/en/password>

<sup>7</sup> Further information about PagoPA service at: <https://www.unitn.it/en/phd-pagopa>



- **already obtained/to be obtained: a self-declaration**, in accordance with Presidential Decree art. 46 no. 445 of 28.12.2000 and subsequent amendments, declaring the possession of a degree (art. 2 of this Call), “Classe di Laurea”, issuing University, award date and final grade / possible award date, **examinations taken**, dates of successful passing, grades and credits obtained (by using the form “[Declaration substituting Degree Certificate](#)”); graduates from the University of Trento may only declare the place and the date of award / foreseen date of award as the other information can be collected ex officio;
- b. **foreign qualification**<sup>8</sup>:
  - **already obtained:**
    - a **certificate attesting to the possession of a second level university qualification** (see art. 2 paragraph 1 letter c), issued by the institution that awarded it. The certificate must indicate the type of diploma, the date it was awarded and the relative grade;
    - a **list of examinations** taken to obtain the qualification to access a Doctoral Programme (**academic transcript of records of the Master’s degree**) with relative credits (if provided for in the university system of the country that awarded the qualification), marks, and rating scale.  
If the university studies carried out abroad are divided into first and second level, the Bachelor’s degree and the list of examinations taken to obtain that degree (*academic transcript of records of the Bachelor’s degree*) should also be attached.
  - **to be obtained:**
    - a **certificate of enrolment in a course of study that allows admission to a Doctoral Programme** (see art. 2 paragraph 1 letter c), with a **list of the examinations** successfully passed, credits obtained in each examination (if provided for in the university system of the country that awarded the qualification), marks, rating scale (academic transcript of records) and the possible award date.  
If the university studies carried out abroad are divided into first and second level, the Bachelor’s degree and the **list of examinations** taken to obtain that degree (academic transcript of records of the Bachelor’s degree) should also be attached.

If the aforementioned **documents** are **not in English**, they must be accompanied by a **translation** in Italian or in English **made provisionally by the applicant** who takes responsibility for the accuracy of the translation and its compliance with the original text.

- C. **curriculum vitae et studiorum** in Italian or English, preferably according to the [Europass model](#); all academic degrees held and any university enrolments in progress must be specified in detail (please specify also the High School diploma details);
- D. **summary of the Master’s degree thesis** written in English explaining the reasons for the choice of the subject, the research methodology and the results obtained (max 2 pages);
- E. **description of the research proposal in English** (maximum 4 pages), written following the scheme in Annex 2, related to the research areas of the Doctoral Programme in Civil, Environmental and Mechanical Engineering. The list of research topics proposed by the PhD programme is available on the [selection website](#) and in the file “[Research subjects](#)”. Applicants wishing to apply for one or more reserved scholarships/fellowship (identified in red and with a letter and a number in the file “Research subjects”) must attach a file containing the specific project and specify the title and the ID of the reserved scholarship/fellowship at the beginning of the project. Applicants can attach **only one research project**;
- F. **statement of purpose in English**, max 2 pages. The statement should highlight: reasons for the applicant’s interest in attending the doctoral programme in Civil, Environmental and Mechanical Engineering (avoiding general statements); specific research interests relevant to the chosen Curriculum; any experience gained during the preparation of the degree thesis relevant to the selected Curriculum, possible research or work experiences related to the research areas of the Doctoral Programme.

For any scholarship/fellowship on reserved topics that will be available after the deadline of this call, see art. 4.

**The applicants awarded a scholarship or the fellowship on a specific reserved topic must accept it otherwise they will be excluded.**

## 6. OPTIONAL ATTACHMENTS:

- A. **List** of possible publications; please do not send the entire publications, as the Selection Committee will evaluate only the list.
- B. any additional qualifications, such as international examinations (GRE or equivalent), useful for assessing the applicant’s attitude towards research (Master’s thesis, scientific publications, any documents regarding awards, post-graduate studying and research activities, language certifications, scholarships - also for the purposes as in art. 8 - etc....);
- C. copy of the first-level academic degree (Bachelor’s degree) and transcript;

<sup>8</sup> It is in the interest of the applicant to provide all information relevant for the assessment, especially if the country where the qualification was obtained has an education system not comparable to the Italian one.



- D. up to two (2) names of referees working at universities or national and international research institutions, with details of their e-mail addresses.

Once the relevant section of the application has been completed and saved by the applicant, the system automatically sends (within 24 hours) to the referee an e-mail with instructions and forwarding method.

The letter should be completed according to the model that will be sent to the referee.

Applicants are recommended to make sure that their referees submit the letter of presentation **by September 8, 2023**.

- E. **Applicants with a foreign qualification** may attach:

- **academic diploma of the Master's degree** (Master of Science/Arts or equivalent), in its original language and
  - **Diploma Supplement (DS)**<sup>9</sup> drafted according to the form developed by the European Commission, the Council of Europe and UNESCO / CEPES;

alternatively

- **Declaration of value**<sup>10</sup> which certifies that the educational qualification is valid in the country of issuance for admission to a Doctoral programme (third level of higher education according to the Bologna Process - European Higher Education Area; EQF level 8);

alternatively

- **Statement of comparability of foreign university qualification**<sup>11</sup> issued by the ENIC-NARIC Center in Italy (CIMEA) that contains all the information necessary for the assessment of the qualification.

If the foreign academic qualification has already been recognized as equivalent<sup>12</sup> to a second cycle Italian qualification **by the competent academic bodies of Italian universities**, the equivalence provision (Rectoral Decree) must be attached.

7. The University will accept additional documents to be included in the application submitted if sent by email to [ateneo@unitn.it](mailto:ateneo@unitn.it) (**Subject:** "Application ID number- applicant's Surname and Name – Doctoral Programme in Civil, Environmental and Mechanical Engineering – 39<sup>th</sup> cycle – Second call - Supplement to application") **by September 4, 2023 at 4:00 p.m. Italian time. Additional documents submitted by other means will be disregarded.**
8. Only documents (originals or copies) in English and Italian will be considered for the selection by the Selection Committee; for all other languages it is compulsory to attach a translation into English or Italian signed by the applicant. The mandatory attachments required at points D, E and F (art. 3) must be submitted in English by all applicants.
9. All applicants are admitted to the selection procedure **conditionally upon ascertainment that they fulfill the admission requirements (art. 2)**. The University of Trento has the right to verify the documents delivered pursuant to articles 71 et seq. of the Presidential Decree no. 445 of 28.12.2000. **The University can at any time, even after enrolment and upon justified reasons, decide the exclusion of applicants lacking the requirements specified in the present call.**
10. According to Italian Law no. 104/92, Art. 20 and to Italian Law no. 68/99, Art. 16 (1), applicants with special needs or with learning disabilities may explicitly request in their application special assistance or extra time during the examinations, in accordance with their disability. In this case personal data will be processed in compliance with the current law as indicated in the GDPR Privacy notice.

#### Art. 4 – EVALUATION OF APPLICATIONS

1. The evaluation is made by a Selection Committee appointed by the Rector upon advice from the Doctoral Committee, in accordance with the University Regulations for Doctoral Programmes. The Selection Committee sets the evaluation criteria during a preliminary meeting.
2. The selection procedure is designed to rank, comparatively, the knowledge and aptitude of the applicants to carry out research in areas related to the Doctoral Programme and the chosen curriculum. The selection is made on the basis of the assessment of all the mandatory applicant's qualifications listed in previous art. 3. The Selection Committee may contact the applicant for an in-depth video-interview concerning the material submitted and the subjects of the chosen curriculum. This online interview will not entail additional points and will be held after September 12, 2023. Applicants will be contacted to the email address indicated in the application.
3. Applicants interested in applying also for scholarships on specific research subject (reserved scholarships) and the research fellowship must specify it in the online procedure. Candidates, who will have sent the application by the deadline, may also opt for any scholarship/fellowship on reserved topics made available after the deadline of this call. These positions will be published

<sup>9</sup> The Diploma Supplement accompanies a higher education diploma, providing an improvement in international "transparency" and a promotion of the academic and professional qualifications obtained (diploma, degrees, certificates, etc.). The Diploma Supplement must be issued by the same institution that issued the qualification. Further information at <http://www.cimea.it/en/servizi/il-sistema-italiano-di-istruzione-superiore/diploma-supplement.aspx> and [http://ec.europa.eu/education/resources/diploma-supplement\\_en](http://ec.europa.eu/education/resources/diploma-supplement_en)

<sup>10</sup> Further information about DoV and equivalence: <http://www.cimea.it/en/servizi/procedure-di-riconoscimento-dei-titoli/glossario.aspx>

<sup>11</sup> The University of Trento signed an agreement with the CIMEA Association about evaluating and verifying foreign titles through the online platform Diplome. Further information at: <https://international.unitn.it/incoming/diploma-verification>

<sup>12</sup> Details at <http://www.cimea.it/en/servizi/procedure-di-riconoscimento-dei-titoli/procedure-di-riconoscimento-accademico-dei-titoli.aspx>





on the selection website together with the instructions on how to access the online system that will be available only from September 5 till September 8, 2023, 4.00 PM (GMT +2) Italian time.

The Selection Committee will evaluate the eligibility of the applicants for the position they shown their preference, on the basis of the document (research project) they uploaded in the online application, or they sent lately as an integration.

**Important notice:** the applicant's choice to compete also for the reserved scholarships/fellowship implies a preference on his/her part for the awarding of that specific scholarship/fellowship over the free topic ones.

4. The Selection Committee will award a maximum of 100 points, of which:
  - 30 points for the assessment of qualifications and curriculum vitae;
  - 60 points for the assessment of research proposal and statement of purpose.
  - 10 points for the assessment of the summary of the degree thesis.
5. Applicants obtaining a minimum score of 60/100 will be short-listed.
6. The assessment of qualifications will take place at the Department of Civil, Environmental and Mechanical Engineering, Via Mesiano, 77 – 38123 Trento, starting from September 11, 2023. The results of the evaluation and possible changes in the dates of the evaluation will be posted only on the [selection website](#).

#### Art. 5 – RANKINGS

1. At the end of the selection procedure, the Selection Committee draws up one ranking list for each curriculum.
2. The available positions are assigned to short-listed applicants according to:
  - a) the position in the ranking list;
  - b) for reserved scholarships and for the research fellowship according to the position in the ranking list and the applicant's eligibility for that specific scholarship/fellowship.
  - c) In case of equal score see following art. 6.
3. Non-allocated scholarships on reserved topics/fellowship will result in the reduction of the number of positions available. With reference to each Curriculum, should any positions and/or scholarships/fellowship remain, these are not assigned to candidates in the other rankings.

#### Art. 6 – ADMISSION TO THE DOCTORAL PROGRAMME AND ENROLMENT

1. Short-listed applicants are admitted to the Doctoral Programme based on their position in the relevant final ranking list until all available positions in each curriculum have been filled. All applicants compete for the award of the scholarships funded by the University of Trento; however, applicants who have been awarded a scholarship/fellowship on a specific reserved topic must accept it. Renunciation of the reserved scholarship/fellowship implies the applicant's exclusion from the right to enrol in the Doctoral Programme.  
If a candidate is chosen in more than one curriculum, he/she will have to accept the position in the curriculum that was selected as first choice in the application online and deleted from the other ranking. The winners of reserved scholarships/fellowship will be required to enrol in one of the topics in which they have obtained the eligibility by the Committee.
2. Should two applicants obtain the same score, regarding the award of the scholarship, the applicants' economic situations shall be the deciding factor, in accordance with the criteria established by the Italian Prime Minister's Decree of 09.04.2001 and subsequent amendments and integrations. As for positions without scholarship, the younger of the two applicants will be selected.
3. Admitted applicants must enroll following the instructions at [Enrolment 1, 2, 3 year](#):
  - **within 8 days** starting from the day following the publication of the final ranking lists on the selection website for **positions covered with scholarships or other form of financial support**;
  - **within 14 days** starting from the day following publication of the final ranking lists on the selection website for **positions without scholarships or other form of financial support**.

**N.B.!** Admitted applicants with a qualification that has not been awarded in Italy must deliver (if they had not already done so during the application phase – "Application procedure") to the Doctorate Office S&T (sending them in advance by email: [phd.office-st@unitn.it](mailto:phd.office-st@unitn.it)) **by November 8, 2023**:

- **academic diploma of the Master's degree** (Master of Science/Arts or equivalent) in the original or certified copy, **together with the academic transcript of records**, possible official translations<sup>13</sup>, legalized or with an apostille affixed<sup>14</sup> (please carefully verify the fulfillment of the requirements set by the issuing country of the title).
- **Diploma Supplement** (if provided for by the university where the title was issued, it is commonly used within the member countries of the European Higher Education Area (EHEA))

Alternatively

<sup>13</sup> See: <https://www.esteri.it/en/servizi-consolari-e-visti/italiani-all-estero/traduzione-e-legalizzazione-documenti/>

<sup>14</sup> See: <https://www.studiare-in-italia.it/studying/info-13.html>



- **Declaration of Value**<sup>15</sup> issued by the Italian diplomatic or consular representations country of origin of the institution that awarded the title

Alternatively

- **Statement of comparability of foreign university qualifications**<sup>16</sup> issued by the ENIC-NARIC Center in Italy (CIMEA) that contains all the information necessary for the assessment of the qualification.

In case the Diploma Supplement, or the Declaration of Value, or the Statement of comparability are not available by November 8, 2023, admitted applicants must deliver a document showing that they asked the University/the Italian diplomatic or consular representations/the ENIC-NARIC center for the documents to be issued.

Admission to the Doctoral Programme for successful applicants who do not provide the required above-mentioned documents by November 8, 2023 will be "conditional" and the applicants will lose their right to continue the Doctoral Programme if:

- they do not deliver the documents within 6 months from the starting date of the Programme;
- upon verification, their title is not in compliance with the requirements of this call for selection. In the case of loss of student status, the applicant must return the scholarship instalments eventually received.

4. Note that the enrolment in the Doctoral Programme must include the payment of stamp duty and the payment of the "provincial tax for the right to higher education" - TDS<sup>17</sup> (except for exemption cases). At present, no fees are charged to doctoral students to access courses and attend them, with the exception of the aforementioned annual provincial tax for the right to study (TDS).
5. Admitted applicants who do not enrol by the above-mentioned deadlines will lose their right to enter the Doctoral Programme, and their places will be offered to the next applicants on the relevant ranking.
6. If a successful applicant withdraws **before the beginning of the Doctoral Programme** (November 1, 2023), the next applicant on the ranking will be offered the position, if entitled to it based on the eligibility assessment for reserved scholarships/fellowship. The latter must submit his/her acceptance of the position **within 4 days** starting from the day after the day on which the communication from the Doctorate Office S&T is sent.
7. If a successful applicant withdraws or is excluded after the beginning of the Doctoral Programme and **during the first three months of the first year**, the Doctoral Committee may decide to fill the vacancy with the next applicant on the relevant ranking, considering the acquired eligibility for reserved scholarships.
8. At the end of the enrolment period, doctoral students must communicate via e-mail ([dicamphd@unitn.it](mailto:dicamphd@unitn.it)) to the Doctoral Programme Secretariat the exact date of their arrival in Trento. Doctoral students who cannot be, for justified reasons, in Trento at the beginning of the academic year, must submit adequate motivations and justifications by no later than November 8, 2023, on penalty of exclusion from the Doctoral Programme. In the case of a lack of communication and failure to arrive in Trento by the abovementioned deadline Doctoral students will be considered excluded from the Doctoral Programme.

#### Art. 7 – SUPERNUMERARY POSITIONS

1. According to art. 18, par. 3 of the University Regulations for Doctoral Programmes, and up to the number of positions indicated in art. 1 (1 for each curriculum) supernumerary applicants may be admitted without a scholarship paid by the University, after passing the selection procedure, if they fall within one of the following categories:
  - a) shortlisted foreign applicants who are granted scholarships by other entities;
  - b) shortlisted applicants from countries with which a specific inter-governmental agreement has been signed, and with which an ad-hoc agreement with the University is then made, without the University of Trento being required to assume any financial obligations;
  - c) research fellows (Assegnisti di ricerca) ex art. 22 of the Italian law 240/2010 whose contract lasts for a minimum of 24 months as from the starting date of the Programme and researching a subject relevant to the Doctoral Programme; such relevance has to be determined by the Doctoral Programme Committee;
  - d) Italian civil servants or under Italian public law regime. Admission is subject to placement on leave under Art. 2 of the Law of 13.08.1984 no. 476 and subsequent amendments.
2. Short-listed applicants who wish to assert their requirements for supernumerary positions shall request for such admission by submitting appropriate documentation proving their status via e-mail to [phd.office-st@unitn.it](mailto:phd.office-st@unitn.it), **within 8 days** from the next day of the publication of ranking lists. Supernumerary admission is determined by the number of supernumerary positions listed in art. 1 following the order in the relevant ranking.
3. After verification of the documents referred to in paragraph 2 of this article, applicants admitted to supernumerary positions will receive an email notification from the Doctorate Office S&T ([phd.office-st@unitn.it](mailto:phd.office-st@unitn.it)) and must deliver their acceptance within the deadline specified in the email text itself.

<sup>15</sup> Should the Declaration of Value not be available by the given deadline, the applicant has to produce evidence of the request to the Diplomatic mission. The applicant has to provide the original copy of the Declaration of Value as soon as it is available.

<sup>16</sup> The University of Trento signed an agreement with the CIMEA Association about evaluating and verifying foreign titles through the online platform Diplome. Further information at: <https://international.unitn.it/incoming/diploma-verification>

<sup>17</sup> Note that the total amount of the TDS + stamp duty must be paid only by credit card following the instructions. Page <https://www.unitn.it/en/ateneo/1931/education-tax-tds-and-stamp-duty> provides information on exemption from the TDS.



- Any applicant selected by special committees for admission related to specific international mobility programmes in which the University of Trento participates, may also be admitted to positions additional with respect to the quota specified at point 1 of this article.

#### Art. 8 – INTELLECTUAL PROPERTY RIGHTS ON RESEARCH RESULTS AND PUBLICATIONS

- Without prejudice to the Italian legislation on copyright (Legislative Decree no. 633/1941 and subsequent amendments), intellectual and industrial property rights on the results eventually achieved by the student, including, but not limited to, software, patentable industrial inventions, know-how, models, data and data collection, are regulated in accordance with applicable laws and University regulations (in particular, the Regulations on Intellectual Property Rights issued with Rectoral Decree no. 539 of 22/07/2020 and subsequent amendments) and, if necessary, according to the provisions in the individual agreements with universities, companies or other institutions involved<sup>18</sup>.
- Before starting their research activities, the admitted applicants must sign a declaration, validated by the academic supervisor, regarding their commitment to confidentiality about information, data and reserved documents they can learn about during their doctoral activities at and/or on behalf of the University of Trento. When the research activities are funded by private or public bodies other than the University, the admitted applicants must sign a declaration, validated by the academic supervisor, to allow the University to respect its duties about the intellectual property rights towards the funding body and eventually a Declaration of commitment with the funding body, when required.

#### Art. 9 – PROCESSING OF PERSONAL DATA

In compliance to Article 13 of EU Regulation 2016/679, the University of Trento provides to the applicants (hereinafter "Data subjects") with the following information:

- Data Controller**  
The Data Controller is the **University of Trento**, via Calepina n. 14, 38122 Trento (TN). The Data Controller can be reached at the following email addresses: [ateneo@unitn.it](mailto:ateneo@unitn.it), [ateneo@pec.unitn.it](mailto:ateneo@pec.unitn.it)
- Contact details of the Data Protection Officer**  
The **Data Protection Officer (DPO)** can be contacted to request information on personal data at the following email address: [dpo@unitn.it](mailto:dpo@unitn.it).
- Purpose of the processing and legal basis**  
The University of Trento processes personal data as part of the performance of its public interest tasks as well as to comply with a legal obligation to which the Data controller is subject (Article 6, paragraph 1, letters e) and c) of the GDPR) and, in particular for the following purposes: to carry out the present call for selection and to fulfil the related law requirements
- Nature of the provision of data**  
The provision of personal data is necessary for applying to this call for selection and the failure to provide it will result in the impossibility of applying.  
The provision of particular data concerning disabilities is optional, but failure to provide such data will determine the impossibility of using the necessary support instruments.
- Data processing methods**  
The processing of personal data shall be carried out *manually, by automated means and/or by telematic means* by authorised staff according to their tasks and in compliance with the principles of lawfulness, correctness, transparency, adequacy, relevance, accuracy, integrity and confidentiality, in a manner that is adequate, relevant and limited to what is necessary in relation to the purposes for which they are processed (GDPR, art. 5, par.1).  
No automated decision-making processes, including profiling, are carried out.
- Categories of recipients**  
In addition to all the University personnel acting for the above-mentioned purposes, personal data may be disclosed to third parties (public and private entities) in order to fulfil the abovementioned purposes, specifically to external bodies financing the scholarships. Personal data may also be disclosed to third parties in compliance with a legal obligations and/or provisions of the Public Security/Judicial Authorities.
- Transfer to non-EU countries**  
In case personal data are transferred outside the EEA, it will happen in compliance with limitations and provisions specified in Article 44 and following of GDPR;
- Data retention period**  
Personal data will be stored as long as necessary to fulfil the purposes for which they are collected, and anyway, as long as it is necessary by law. In any case data will be stored for the time indicated by the current law and/or by the University regulations on managing and storage of documents issued by the University within its institutional activities.
- Rights of the Data subjects**  
Data subjects may exercise the rights referred to in Articles 15 et seq. of the GDPR at any time.  
In particular, data subjects have the right to access to personal data, rectification of personal data and/or their integration, erasure of personal data except in cases where the University is required to keep them according to art. 17, 3 par. of the GDPR, limitation of the data processing operation and opposition to the data processing operation.

<sup>18</sup> See: <https://www.unitn.it/en/node/1767/protection-and-valorisation-of-intellectual-property>



In case there is an infringement of the GDPR on the processing of personal data, Data subjects have the right to lodge a complaint with the Italian Data Protection Authority by virtue of article 77 of the GDPR or to engage in legal proceedings.

**Art. 10 – REFERRAL RULES**

1. For matters not explicitly mentioned in the present call, refer to Law no. 398 of 30.11.1989, art. 4 of Law no. 210 of 3.07.1998 as amended by art.19, par. 1, of the Law no. 240 of 30.12.2010, to Ministerial Decree no. 226 of 14.12.2022 and to the University Regulations for Doctoral Programmes issued by Rector's Decree no. 250 of 11.03.2022, to the Code of Ethics of the University of Trento, to the Students' Honour Code, to the [Internal Regulations in force of the Doctoral Programmes](#), and to the other relevant provisions contained in the current legislation.
2. This call, accompanied by its translation into English, is published on the University website, on the website of the Italian Ministry of Education and on Euraxess. Any changes or additions to the call will be made available on the selection website specified in art. 1.

On behalf of  
The Rector  
The Head of Education and Student Services  
*dott. Paolo Zanei*



**Template for the research proposal**  
(max 4 pages, bibliography and abstract included)

1. **Applicant's name and surname**
2. **Reserved topic scholarship title** (see file "Research subjects" available at the [call webpage](#))
3. **Abstract (max 250 words)**
4. **Brief research description divided into:**
  - a. **introduction of the topic in the framework of the international scientific context, relevance of the matter;**
  - b. **research methods used and possible equipment and laboratories necessary to the realization of the research project;**
  - c. **objectives, expected results, theoretical implications and conclusions, verification and evaluation;**
  - d. **time schedule of the activities.**
5. **Bibliography**