

Call for Doctoral positions

PhD Programme in

Civil, Environmental and Mechanical Engineering

37th Cycle

ACADEMIC YEAR 2021/2022

N.B. Please note that only the Italian version of the present call issued by Rector's Decree no. 524 of 17.06.2021 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 positions for the 37th Cycle (Academic Year 2021/2022) of the PhD Programme in Civil, Environmental and Mechanical Engineering as follows:

Positions: no. **25**

Scholarships: no. **25** (of which 20 on reserved topics)

Supernumerary positions: no. **4** (see art. 7)

Positions are distributed as follows:

	Curriculum A Civil and Environmental Engineering	Nr.	Topics of reserved scholarships ¹
Positions	University of Trento scholarships	1	
	University of Trento and Department of Civil, Environmental and Mechanical Engineering scholarships	2	A1 - Development of innovative and sustainable processes for sludge minimization in industrial wastewater treatment plants A2 - Understanding the Effects of Bedrock Fractures and Weathering on critical zone hillslope hydrology and stability – PRIN 2017 CUP E64I19001840001
	Fondazione Bruno Kessler (FBK) scholarships	1	A3 - Precise positioning in photogrammetric application
	MUR – Departments of Excellence scholarships	3	A4 - Combined effects of climate change and water uses on water resources: digital twins of the intertwined natural and anthropogenic systems. Candidates interested in this scholarship can develop their research project on one of the following sub-topics: <ul style="list-style-type: none"> • Modeling the impact of water uses and climate change on groundwater resources; • Hydropower generation in the Italian Alpine Region under a changing climate. A5 - Micro and nano materials in rivers and aquifers Candidates interested in this scholarship can develop their research project on one of the following sub-topics: <ul style="list-style-type: none"> • Hydrodynamic of micro- and nano-particles; • Modelling the transport of nano- and micro-plastics in surface and subsurface water bodies. A6 - River morphodynamics: connectivity and non-equilibrium
	Nr. of positions	7	-
	Supernumerary positions (see art. 7)	1	-

¹ Reserved scholarships can only be assigned to those candidates who will ask for and obtain the specific eligibility. The request for reserved scholarship/s 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.



	Curriculum B Mechanics, Materials, Chemistry and Energy	Nr.	Topics of reserved scholarships
Positions	University of Trento scholarships	2	
	Fondazione Bruno Kessler (FBK) scholarships	1	B1 - Development and validation of multiphysics-multiscale tools for redox flow battery design
	MUR – Departments of Excellence scholarships	1	B2 - Optimal design of hierarchical micro-structured materials for wave propagation control and 3D Micro Mechanical Systems (MMS) Candidates interested in this scholarship can develop their research project on one of the following sub-topics: <ul style="list-style-type: none"> • 3D High-performance hierarchical microstructured materials • 3D Micro Mechanical Systems (MMS)
	Nr. of positions	4	-
	Supernumerary positions (see art. 7)	1	-

	Curriculum C Modelling and Simulation	Nr.	Topics of reserved scholarships
Positions	University of Trento scholarship	1	-
	University of Trento and Department of Civil, Environmental and Mechanical Engineering scholarships	5	C1 - Modeling and testing of welded structural joints machined with laser cutting technology C2 - Seismic behaviour of hybrid fire walls with "fusible" links C3 - Risk-Based asset management C4 - Logic of Monitoring System Design C5 - Multi-physics analysis of viscous polymeric materials for growing robotic roots
	Italian Institute of Technology Foundation (IIT Pontedera) scholarships	1	C6 - Nanofabrication of multifunctional biomimetic structures inspired by natural organisms
	Department of Information Engineering and Computer Science scholarships	1	C7 - Innovative transdisciplinary paradigms for the synthesis and optimization of multifunctional and multiphysics reconfigurable metamaterials through the System-by-Design
	MUR – Departments of Excellence scholarships	4	C8 - From Natural to Anthropogenic Seismicity: A Holistic Risk Framework based on Probabilistic graphical models and Vine Copula theory Candidates interested in this scholarship can develop their research project on one of the following sub-topics: <ul style="list-style-type: none"> • A static vine copula approach for natural seismic risk analysis

	Curriculum C Modelling and Simulation	Nr.	Topics of reserved scholarships
			<ul style="list-style-type: none"> A dynamic vine copula approach for anthropogenic seismic risk analysis <p>C9 - Extreme mechanics of solids and structures Candidates interested in this scholarship can develop their research project on one of the following sub-topics:</p> <ul style="list-style-type: none"> Wrinkling and folding in anisotropic biological tissues; Novel microstructured solids towards the design of ultra-resistant materials under extreme conditions <p>C10 - Short and long-range effects in optimization of multifunctional bioinspired materials</p> <p>C11 - Decision support system based on data fusion from satellite and terrestrial structural health monitoring</p>
	Nr. of positions	12	-
	Supernumerary positions (see art. 7)	1	-

	Curriculum D Architecture and Planning, Landscape	Nr.	Topics of reserved scholarships
	University of Trento scholarships	1	-
Positions	University of Trento and Department of Civil, Environmental and Mechanical Engineering scholarships	1	D1 - Mountain Agroecology: landscape, food and environmental dynamics in rural mountain areas – PRIN 2017 CUP E64I19002500001
	Nr. of positions	2	-
	Supernumerary positions (see art. 7)	1	-

The Programme offers 4 Curricula and each candidate may apply to maximum 2 Curricula. Within each Curriculum, the candidate may choose the research scholarships which are linked to a specific research topic and which require specific competencies in that field. Candidates interested in one or more of these scholarships must carefully check the topic and the requirements listed on the [selection webpage](#).

The scholarships dedicated to specific research topics (reserved scholarships) may be assigned only to those candidates who specifically apply for them.

The positions with scholarships or other financial support may be increased after the publication of this call till the day before the assessment of qualifications (and no later than the opening date of the potential reserved application procedure). All the new positions available will be posted solely on the [selection website](#).

Moreover, candidates 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 37th Cycle in additional positions.

Deadline for application: July 26th, 2021, hrs. 04.00 (Italian time, GMT +2)

Duration: Three years

Start of the Academic Year: November 1st, 2021

Official language: English

Selection website

- [PhD 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 notice:

- 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 candidates **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.
- b. Without exception, all possible communication from the University of Trento to applicants will be managed via e-mail to the email address specified in the online application (section "email address for notification). Candidates are advised to check their mail box regularly and keep the Doctorate Office S&T (phd.office-st@unitn.it) promptly informed of any changes in their email address.
- c. Due to the unpredictable Covid-19 health emergency situation, during the first semester of the academic year 2021/22 in order not to stop teaching and research doctoral activities, the same could be given both in person and remotely.

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 PhD studies in the Country it has been issued (except for substantial differences) and similar (duration and level) to the Italian degree, recognized as eligible² by the Selection Committee for the sole purpose of accessing this specific PhD Programme³.

Degrees in scientific and technological areas will be given priority.

2. Applications are also accepted from students expecting to obtain the necessary degree **by October 31, 2021**. 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) **by November 8th, 2021**, on penalty of exclusion, **the certificate awarded or a self-declaration (using Annex A)**.
3. Applicants with a foreign qualification that has not been officially recognised as equivalent⁴ to an 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.

² 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.

³ Details at: <http://www.cimea.it/en/servizi/il-sistema-italiano-di-istruzione-superiore/qualifiche-del-sistema-universitario.aspx>.

⁴ For further information see at <http://www.cimea.it/en/servizi/procedure-di-riconoscimento-dei-titoli/procedure-di-riconoscimento-accademico-dei-titoli.aspx>

4. Applicants who have already obtained the PhD degree will be admitted to attend a second PhD Programme, after passing the selection, provided that the prevailing subjects and scientific areas are different from those relating to the previous Doctorate degree. Applicants who have already benefited from a scholarship, even partially, cannot be assigned any scholarships in the new PhD Programme.

Art. 3 – APPLICATION PROCEDURE

1. The application⁵ must be **completed and submitted by hrs. 04.00 PM Italian time (GMT +2) of July 26th 2021, exclusively through the online system:** <https://www.unitn.it/en/apply/dott>. Authentication to the service is possible through: a University of Trento account as @unitn.it (if already released), or a "guest" temporary account (@guest.unitn.it); the procedure to register an account is available on: <https://webapps.unitn.it/Registration/en/Home>⁶ or through the SPID (the Italian Public Digital Identity System)⁷.
2. To finalize the application a non-refundable **application fee of € 15** (fifteen) is required to be paid by credit card⁸ according to the instructions given in the appropriate section of the online application. **The application online can be saved and modified several times until the final submission. Thereafter it can no longer be changed.**
3. **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 application online applicants must choose, within one or maximum two curricula (see art. 1), one or more reserved scholarships, specifying the order of preference, they want to be evaluated for. The order of preference is not binding for the Selection Committee.
5. **MANDATORY ATTACHMENTS** (failure to upload one or more mandatory attachments results 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 PhD:**
 - a. **Italian qualification:**
 - **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**", **award date and final grade / possible award date, issuing University, examinations taken, grades and credits** obtained (by using **Annex A** you can find at the end of this call and on the call website); 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 qualification⁹:**
 - **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 exams** taken to obtain the qualification to access the Doctorate 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.

⁵ The candidate can choose either Italian or English to fill in the application online.

⁶ 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>

⁷ For more info visit the website: <https://www.spid.gov.it/riciedi-spid?lang=en-001>

⁸ The accepted payment circuits are: Visa (e.g. Nexi/Cartasì, Postepay), V-pay, Maestro, MasterCard, NexiPay, MasterPass Wallet.

⁹ 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.

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 Doctorate programmes** (see art. 2 paragraph 1 letter c), with a **list of the examinations** successfully passed, **marks, credits** obtained in each examination (if provided for in the university system of the country that awarded the qualification), **rating scale** 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 (maximum 2 pages);
- E. **Description of the research proposal and statement of purpose in English** (maximum 3 pages) relative to the research areas of the PhD Program in Civil, Environmental and Mechanical Engineering. The list of research topics is available on the [selection website](#). Applicants wishing to participate in one or more reserved scholarships must attach a file containing the specific project. Candidates can attach only one research project. For any scholarships on reserved topics that will be available after the deadline of this call, see art. 4. **The candidates awarded a scholarship on a specific reserved topic must accept it otherwise they will be excluded.**

6. OPTIONAL ATTACHMENTS:

- A. **List** of publications;
- 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. 7 - etc...);
- C. copy of the first-level academic degree (Bachelor's degree) and transcript;
- D. up to two (2) names of **referees** working at universities or national and international research institutions, complete with their e-mail addresses. The system will automatically ask the referees to upload a reference letter for the candidate;
- E. **applicants with a foreign qualification:**
 - **academic diploma of the Master's degree** (Master of Science/Arts or equivalent), in its original language and
 - **Diploma Supplement (DS)**¹⁰ (drafted according to the form developed by the European Commission, the Council of Europe and UNESCO / CEPES);

alternatively

- **Declaration of value**¹¹ 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);

¹⁰ 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

¹¹ Further information about DoV and equivalence: <http://www.cimea.it/en/servizi/procedure-di-riconoscimento-dei-titoli/glossario.aspx>

alternatively

- **Statement of comparability of foreign university qualification**¹² 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 equivalent¹³ to a second cycle Italian qualification by the competent academic bodies of Italian universities, the equivalence provision (Rectoral Decree) must be attached in the appropriate section of the online application.

7. The University will accept any additional documents to the submitted application only if sent by email to ateneo@unitn.it (**Subject:** "Application ID number- candidate's Surname and Name - Doctorate in Civil, Environmental and Mechanical Engineering – 37th cycle - Supplement to application") **by July 26th 2021 at 4:00 PM Italian time**. Additional documents submitted by other means will be disregarded.
8. Only documents (originals or copies) in English and Italian will be taken into consideration for the selection by the Committee; for all other languages it is compulsory to attach a translation into English signed by the applicant. The attachments required at letters D and E 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 candidates 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 doctoral regulations. The Selection Committee sets the evaluation criteria during a preliminary meeting. The Committee can meet in presence or via audio / video conference.
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 PhD Programme and the chosen curriculum.
The selection is made on the basis of the assessment of qualifications (listed in previous art. 3). The Selection Committee may contact the applicant for an in-depth interview or a video-interview concerning the material submitted and the subjects of the chosen Research Area. This interview will not entail additional points. Interviews will be held from August 25th, 2021. Applicants are requested to report a valid Skype contact in the online application in order to be called.
3. Applicants interested in applying also for scholarships on specific research subject (reserved scholarships) must specify it in the online procedure. Candidates, who will have sent the application by the deadline, may also opt for any scholarships on reserved topics that will be available after the deadline of this call. These scholarships will be published on the [selection website](#) together with the instructions on how to access the online system that will be only available from July 27 till July 30, 2021, 4.00 PM (GMT +2) Italian time. Competences on the specific subjects of the reserved scholarships will be assessed during the evaluation process by the Selection Committee based on the research projects submitted.

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

4. The Selection Committee can assign each candidate a total score of 100 as follows:
 - 30 for the assessment of qualifications and curriculum vitae;
 - 60 for the assessment of research proposal and statement of purpose.
 - 10 for the assessment of the summary of the degree thesis.
5. Candidates obtaining a minimum score of 60/100 will be short-listed.

¹² Further information about Statements of comparability and qualifications certification: <http://www.cimea.it/en/servizi/attestati-di-comparabilita-e-certificazione-dei-titoli/attestati-comparabilita-certificazione-titoli-overview.aspx>

¹³ Details at <http://www.cimea.it/en/servizi/pil-sistema-italiano-di-istruzione-superiore/qualifiche-del-sistema-universitario.aspx>

6. The assessment of qualifications will take place at the Department of Civil, Environmental and Mechanical Engineering, Via Mesiano, 77 – 38123 Trento, starting from **August 25th, 2021**.

Art. 5 – RANKINGS

1. At the end of the selection procedure, the Selection Committee draws up one ranking list for each curriculum.
2. Scholarships are assigned to short-listed applicants according to:
 - a) the position in the ranking list;
 - b) for reserved scholarships, the applicant's eligibility for that specific scholarship.
 In case of equal score see following art. 6.
3. Non-allocated scholarships on reserved topics will result in the reduction of the number of positions available. With reference to each Curriculum, should any positions and/or scholarships 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 PhD Programme according to their position in the final relative ranking list until all available positions in each curriculum have been filled. Please note that all applicants compete for the award of the scholarships funded by the University of Trento; however, applicants who have been awarded a scholarship on a specific reserved topic must accept it. Renunciation of the reserved scholarship topic implies the applicant's exclusion from the right to enroll in the PhD Programme.

If a candidate is chosen in more than one curriculum, he/she is enrolled in the curriculum that was selected as first choice in the application online and deleted from the other ranking. The winners of reserved scholarships will be required to enroll in one of the topics in which they have obtained the eligibility and which will be identified by the Committee.

2. Should two candidates obtain the same score, as regards the awarding of the scholarship, the candidates' 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. For positions without scholarships, the younger of the two candidates will be selected.
3. Admitted applicants must enroll following the instructions at <https://www.unitn.it/en/node/1928>:
 - **within 8 days** starting from the day following publication of the final rankings on the selection website for **positions with scholarships or other form of financial support**;
 - **within 14 days** starting from the day following publication of the final rankings 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”) the Doctorate Office S&T (email: phd.office-st@unitn.it) **by November 8th, 2021**, sending them in advance by email:

- **academic diploma of the Master degree** (Master of Science/Arts or equivalent) in the original or certified copy, **together with the academic transcript of records**, possible official translations¹⁴, legalized or with an apostille affixed¹⁵ (please carefully verify the fulfillment of the requirements set by the issuing country of the title).

In addition to the above-mentioned documents, admitted applicants must show:

- **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

- **Declaration of Value**¹⁶ issued by the Italian diplomatic or consular representations country of origin of the institution that awarded the title

alternatively

¹⁴ See: <https://www.esteri.it/mae/en/servizi/italiani-all-estero/traduzione-e-legalizzazione-documenti.html>

¹⁵ See: <https://www.studiare-in-italia.it/studying/info-13.html>

¹⁶ 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.

- **Statement of comparability of foreign university qualifications** 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 8th, 2021, 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 candidates who do not provide the required above-mentioned documents by November 8th, 2021 will be "conditional" and the applicants will be excluded from the Doctoral Programme if:

- they do not deliver the documents within 12 months from the starting date of the Programme;
- upon verification, their title is not in compliance with the requirements of this call for selection

- Note that the enrolment on the PhD Programme must include the payment of stamp duty and, where applicable, the payment of the "provincial tax for the right to higher education" - TDS¹⁷. 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).
- Admitted applicants who do not enroll by the above-mentioned deadlines will lose their right to enter the PhD Programme, and their places will be offered to the next applicants on the relevant ranking.
- If a successful applicant withdraws **before the beginning of the PhD Programme** (November 1, 2021), the next applicant on the same ranking will be offered the position, if entitled to it based on the eligibility assessment for reserved scholarships. The latter must enroll on the PhD Programme **within 4 days** starting from the day after the day on which the communication from the Doctorate Office S&T is sent.
- If a successful applicant withdraws or is excluded after the beginning of the PhD Programme and **during the first quarter of the first year** (end of January 2022), the Doctoral Committee may decide to fill the vacancy with the next applicant on the relevant ranking, taking into account the acquired eligibility for reserved scholarships.
- At the end of the enrolment period, doctoral students must communicate via e-mail (dicamphd@unitn.it) to the PhD 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, 2021. The latest date of arrival in Trento **cannot be subsequent to January 8, 2022**, on penalty of exclusion from the PhD Programme. In the case of a lack of communication and failure to arrive in Trento by the above-mentioned dates, the doctoral student will be considered excluded from the Doctoral Programme.

Art. 7 – SUPERNUMERARY POSITIONS

- According to art. 20, par. 3 of the University Regulations for Doctoral Programmes, and up to the number of positions indicated in art. 1 (not more than 1 for each Research Area), 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:
 - shortlisted foreign candidates who are granted scholarships by other entities;
 - shortlisted candidates 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;
 - research fellows (Assegnisti di ricerca) whose contract lasts for a minimum of 24 months as from the starting date of the Programme and researching a subject relevant to the PhD Programme; such relevance has to be determined by the Doctoral Programme Committee;
 - 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.
- Short-listed applicants who wish to assert their requirements for supernumerary positions shall request, by submission of appropriate documentation proving their status via e-mail to phd.office-st@unitn.it, such admission **within 8 days** starting from the next day of the publication of the ranking lists. Supernumerary

¹⁷ 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.

admission is disposed within the limit of the number of supernumerary positions listed in the specific Research Area in art. 1.

3. After verification of the documents referred to in paragraph 2 of this article, applicants admitted to supernumerary positions will receive an email notification by the Doctorate Office S&T (phd.office-st@unitn.it) and must deliver their acceptance within the deadline specified in the email text itself.
4. Any candidate 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

1. Without prejudice to the Italian legislation on copyright (Legislative Decree no. 633/1941 and suc. amendments), intellectual and industrial property rights on the results eventually achieved by the student, including, but not limited to, software, patentable industrial inventions or not, know-how, models, data and data collection, are regulated in accordance with applicable laws and University regulations and, if necessary, according to the provisions in the individual agreements with universities, companies or other institutions involved.

Art. 9 – PROCESSING OF PERSONAL DATA

1. Pursuant to art. 13 of Regulation (EU) 2016/679 (General Data Protection Regulation), applicants, acting as data subjects, are advised that the University will process their personal data in the public interest only for purposes related to the present PhD selection procedure and to comply with law obligations.
2. The data controller is the University of Trento, via Calepina 14, 38122 Trento (Italy), email: ateneo@pec.unitn.it; ateneo@unitn.it.
3. The controller processes personal data for reasons of substantial public interest (according to art. 6, comma 1, letter e) and art. 9, paragraph 2, letter G of the GDPR).
4. The provision of personal data is mandatory to participate in the selection procedures and failure to provide them results in the impossibility to take part in the call.
5. Personal data are processed wholly or partly in paper forms and/or by automated means by the controller's personnel, who is authorized to data treatment according to their tasks and in respect of confidentiality obligations.
6. Personal data can be disclosed to third parties (public and private, e.g. MUR, ANVUR) in order to correctly fulfil the above-mentioned purposes, within academic relationships, in performance of law, regulations and contract obligations, or in compliance with a provision of the Authority of Public Security and/or the Judicial Authorities.

Data can be disclosed also to public and private funding bodies, in relation to financed scholarships.

7. Personal data will be stored as long as necessary to fulfil the above-mentioned procedure and anyway for all the time required to comply with legal obligations and/or regulations on the matter.
8. At any time, the data subjects can ask the controller to exercise their rights in accordance with art. 15 and seq. of GDPR, and in particular the right of access to their personal data, right to rectification, right to erasure ('right to be forgotten'), right to restriction of processing and the right to object to processing. This is without prejudice to the right to lodge a complaint with the Supervisory Authority in accordance with art. 77 of GDPR.
9. The data subjects may contact the Data Protection Officer (DPO or RPD) to have information about processing of their personal data or to exercise their rights writing to: via Verdi 8, 38122 Trento (Italy), email: rpд@unitn.it.
10. The complete GDPR Privacy note is available at: [GDPR Privacy note](#).

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. 45 of 08.02.2013 and to the University Regulations for Doctoral Programmes issued with the Rector's Decree no. 383 of 04.07.2013 and subsequent amendments, to the Code of Ethics of the University of

Trento, to the Internal Regulations in force of the Doctoral Programme in Civil, Environmental and Mechanical Engineering, 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 only on the selection website specified in art. 1.

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

ANNEX A

Declaration substituting **DEGREE CERTIFICATE¹**

(Article 46 - letters l, m, n - D.P.R. 28 December 2000, No. 445)

The undersigned _____

place of birth (*city+country*) _____ date of birth _____

official address (*street, number, zip code, city, country*) _____

Mob. _____ e – mail _____

aware of the penal sanctions pursuant to Article 76 of the Italian Presidential Decree no. 445 of 28.12.2000 for falsifying documents and making mendacious declarations

DECLARES

A) TO HAVE GRADUATED (degree for admission to PhD, click the corresponding box):

Type of degree ☐ Laurea magistrale/specialistica

☐ Italian University degree of the previous regulations in force (*vecchio ordinamento*)

in: _____

Specialization (*Classe di laurea* ID code): _____

on __dd__ / __mm__ / __yy__ from University of² _____ (town

_____ - Italy) with mark _____ out of _____

AND TO HAVE PASSED THE FOLLOWING EXAMS (fill out the following Section C)

Alternately:

B) TO HAVE NOT YET GRADUATED and to be aware that admission to the Doctoral Programme is conditional upon submission of the degree diploma/certificate by the date cited in the announcement.

Graduating in: _____

Specialization (*Classe di laurea* ID code): _____

University of: _____ in Italy.

Expected graduation date: _____

AND TO HAVE PASSED THE FOLLOWING EXAMS (fill out the following section C)

¹ **To be noted:** self-declarations can be delivered only if concerning facts and information which can be verified by an Italian public administration. In case of non-European citizens this is possible only if they are in possession of a valid stay permit, which must be attached to the declaration.

- The self-declaration shall provide all the information required, and data related to the mark, date and place of obtainment of the degree are mandatory;

- The self-declaration shall be duly signed and dated.

² Graduates of the University of Trento must only declare the date of awarding of the degree; other information will be collected automatically.

ANNEX A

SECTION C: List of exams taken (titles, marks, credits – if available, and dates are mandatory):

[illegible]

If the university course is divided into first and second level,

I also declare

to have graduated with an Italian University first level degree (*Laurea*/bachelor's degree) in _____ on __dd__/_mm__/_yy__ from University of _____ town _____ (Country) with mark _____ out of _____

Date and place, _____	_____ Signature of the declarant
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This declaration is exempt from stamp duty, pursuant to Article 37 of the Italian Presidential Decree no. 445 of 28.12.2000