Call for Doctoral positions at
the Doctoral Programme in "Materials, Mechatronics and Systems Engineering"
30th cycle

THE RECTOR

Given the Law no. 210 of the 3rd of July, 1998, and in particular, art. 4, as amended by article 19, section 1, of law no. 240 of 30 December 2010;
Given the Ministerial Decree no. 45 of the 8th of February 2013, regarding the rules and procurements for the accreditation of doctoral programmes and the criteria for their institution by accredited bodies, in particular art. 3;
Given the Decree by the Prime Minister of the 9th of April, 2001, and subsequent amendments, on the general criteria for uniform treatment regarding the right to higher education;
Given the Statute of the University of Trento issued with Rector's Decree no. 167 of the 23rd of April, 2012, in particular art. 28;
Given the University Regulations for Doctoral Programmes, issued with Rector's Decree no. 383 of the 4th of July 2013 and subsequent amendments;
Given the proposal made by the Department of Industrial Engineering;
Given the report of the internal Assessment Committee of the 12nd of December 2013 concerning the requisites of appropriateness proposed by the Doctoral Programmes;
Given the decision by the Academic Senate of the 29th of January 2014;
Considering that, although the accreditation process - which must be granted by the Ministry with the assent of ANVUR - has not yet been completed, the University of Trento, taking into account the time required to allow an international recruitment, has decided not to delay the issuance of the calls and the completion of the selection procedure;

DECREES

Art. 1 – SUBJECT OF THE CALL

This call establishes the procedure for the admission to the 30th cycle (Academic Year 2014/2015) of the Doctoral Programme in "Materials, Mechatronics and Systems Engineering" at the University of Trento, in collaboration with the University of Colorado at Boulder (USA).

Positions: n. 16

Scholarships: n. 14

Deadline for application: hrs. 16.00 (GMT +2) of June 30, 2014

The scholarships are funded as follows:

n. 9 scholarships: financed by the University of Trento;
n. 3 scholarships: financed by the Bruno Kessler Foundation (FBK) and reserved to the topics:
   A "Ultra-low power vision system for environmental monitoring";
   B "Terahertz image sensors in CMOS technologies";
   C "Development of microsystems for the agrofood sector";
n. 2 scholarships: financed by the Department of Industrial Engineering of the University of Trento and reserved to the topics:
   D "Study of production of hardmetals by vacuum sintering"
   E "Design and implementation of a distributed framework for state estimation in the power grid".
Director of the doctoral Programme: prof. Alessandro Pegoretti - Tel. 0461 282452 – E-mail: dii.phd@unitn.it
Website of the Programme: http://www.unitn.it/en/drmmse
Website of the admission procedure: http://www.unitn.it/en/ateneo/3049/announcement-selection
Duration: three years
Official language: English
Start of the Academic Year: November 1, 2014

Scientific Areas:
- CHIM/07 Foundations of Chemistry for Technologies
- FIS/01 Experimental Physics
- FIS/03 Material Physics
- MAT/08 Numerical analysis
- ING-IND/12 Mechanical and Thermal Measuring Systems
- ING-IND/13 Applied Mechanics for Machinery
- ING-IND/14 Mechanical Design and Machine Building
- ING-IND/15 Design and Methods for Industrial Engineering
- ING-IND/16 Production Technologies and Systems
- ING-IND/17 Industrial and Mechanical Plant
- ING-IND/21 Metallurgy
- ING-IND/22 Science and Technology of Materials
- ING-IND/23 Applied Physical Chemistry
- ING-IND/25 Chemical Plants
- ING-IND/34 Industrial Bioengineering
- ING-INF/01 Electronics
- ING-INF/04 Automatics
- ING-INF/05 Data Processing Systems
- ING-INF/07 Electric and Electronic Measurement Systems
- ICAR/01 Hydraulics
- SECS-S/06 Mathematics for Economics, Actuarial Studies and Finance

Research areas:

Materials Science and Engineering:
- Biomaterials and biomedical technologies
- Biotechnologies and agro-food technologies
- Nanotechnologies and nanomaterials
- Surface engineering
- Structural materials, durability and lifetime prediction
- Net-shape materials
- Materials for energy and environment
- Materials and technologies for cultural heritage
- Functional materials
- Materials and technologies for food industry

Mechatronic and Mechanical Systems:
- Intelligent manufacturing
- Dynamics of mechanical systems for aerospace applications
- Intelligent vehicles and robotics
- Automated supervised driving for intelligent vehicles and transportation systems

1 The “Dual PhD” programme with the University of Colorado at Boulder requires 4 years.
Human sensory-motor modelling and rehabilitation
Virtual, physiological and computational neuromuscular human models

Electronic and Integrated Microelectronic Systems:
- Techniques and systems for energy parameter measurement
- Sensor networks
- Embedded systems design
- Sensors, detectors and microsystems
- Microelectronic technologies

Operation Research:
- Constrained optimization problems
- Decision supports models and systems
- Project management
- Website evaluation
- Trusted computing

The positions with scholarship or other forms of financial support, including apprenticeship contracts and research grants, may be increased after the publication of this call and before the assessment of qualifications through additional funds from universities, public research institutions and/or qualified private organizations. For this reason, the increase in scholarships may change in parallel with the total number of the available positions. Any extra available positions will be posted solely on the website:
http://www.unitn.it/en/ateneo/3049/announcement-selection

Art. 2 – ADMISSION REQUIREMENTS

Applications for doctoral positions are accepted from candidates, regardless of gender, age and nationality, who hold an Italian “Laurea Magistrale”, according to the Ministerial Decree no. 270 of the 22nd of October 2004 and subsequent amendments, a university degree of the previous regulations in force, or an equivalent degree obtained abroad (Master’s degree).

Applications are also accepted from students expecting to complete their degree by October 31, 2014; in such case applicants must attach the following documents:
- a certificate of enrolment with a list of the exams successfully passed and marks obtained in each examination;
- a statement released by their thesis supervisor declaring that the student will obtain the degree by October 31, 2014.

For EU citizens the two above-mentioned documents may be substituted by a self-certification, as required by art. 46 of Presidential Decree no. 445 of 28.12.2000 and subsequent amendments, with exams taken, the corresponding grade and the expected date for the graduation examination, prepared using the Annex A only for titles that have been achieved at a public institution of the member countries of the European Union.

Admission to the Doctoral Programme for successful candidates who have not graduated yet will be “conditional” and the applicant will have to submit to the “Divisone Supporto Corsi di Dottorato e Alta Formazione – Polo Collina” (via email to: dottorati-collina@unitn.it) by November 7, 2014, on penalty of exclusion, the degree certificate (according to Presidential Decree no. 445 of the 28th of December 2000 and subsequent amendments, EU citizens may deliver a self-declaration using Annex A only for titles that will be achieved at a public institution of the member countries of the European Union).

Art. 3 – UNIVERSITY QUALIFICATION AWARDED ABROAD

Foreign Academic Degrees (Master’s degree) must be comparable to the “Laurea Magistrale” in terms of duration and level\(^2\). Based on this principle, the Admissions Committee will decide on their eligibility.

\(^2\) Italiano: [http://www.studiare-in-italia.it/study/new-degrees.html](http://www.studiare-in-italia.it/study/new-degrees.html), Inglese: [http://www.study-in-italy.it/study/new-degrees.html](http://www.study-in-italy.it/study/new-degrees.html)
Applicants who have a foreign academic degree that has not been officially recognized as equivalent to an Italian degree (Laurea Magistrale/Specialistica/vecchio ordinamento) will be considered as requesting for equivalence in their application. In this case, it is necessary to submit the following documents:

- the degree certificate complete with examinations taken and corresponding grades (transcripts). EU citizens deliver a self-declaration, according to Article 46 of the Presidential Decree No. 445 of 28.12.2000 and subsequent amendments, by using Annex A only for titles that have been achieved at a public institution of the member countries of the European Union;
- the English translation of the degree certificate, if in a different language, with examinations taken and the corresponding grades, signed under the applicant’s own responsibility. The purpose of the English translation is solely that of allowing the Admissions Committee to evaluate the applicant’s eligibility for the selection process;
- any other documentation considered useful for evaluating the eligibility of the degree provided, in order to participate in the selection process (i.e. Diploma Supplement or Dichiarazione di Valore in Loco).  

Admitted candidates holding an academic degree obtained outside Italy must submit to the Divisione Supporto Corsi di Dottorato e Alta Formazione Polo Collina (email dottorati-collina@unitn.it) by no later than January 10, 2015:

- the “Dichiarazione di Valore in Loco” (DV) along with their degree certificate with examinations taken and grades obtained, translated and authenticated by an Italian consulate, embassy or diplomatic representative in the country where the degree was issued. The Dichiarazione di Valore must state that the degree is valid, in the country where it was issued, and enables the candidate to enrol in an academic course equivalent to a PhD Programme (third level of higher education according to the Bologna process);
- or, if the above mentioned Dichiarazione di Valore is not ready within the deadline, a document proving that the request of release has already been submitted to the diplomatic representative; in such case the candidate must submit the Dichiarazione di Valore at the earliest convenience;
- or, alternatively to the Dichiarazione di Valore, the Diploma Supplement in English, according to the model developed by the European Commission, by the European Council and by the UNESCO/CEPES.

Lack of such documents may result in the exclusion from the Doctoral Programme.

Art. 4 – THE DOCTORAL PROGRAMME

The aim of the Doctoral Programme is to train researchers able to operate in the following fields.

Materials Science and Engineering

The most significative research areas of Materials Science and Engineering include nanostructured materials (metallic alloys, ceramic powders, inorganic systems from sol-gel and nanocomposites), powder metallurgy, biomaterials and biomedical technologies (also developed at the BIOTech center in Mattarello), polymeric and composite materials, materials for energy (photovoltaic, solar thermal, fuel cells, hydrogen storage), materials chemistry, high-strength glasses and ceramics, coatings and surface treatments, wear phenomena, corrosion and mechanical fatigue, degradation, experimental characterization of the mechanical behaviour and numerical modeling, atomistic modeling of materials, chemical plants, microscopy (optical, electronic and atomic force), NMR, thermal analysis, microstructural and micromechanics analysis through X-ray diffraction.

Mechatronic and Mechanical Systems

The research activities on Mechatronic and Mechanical Systems are based on a multidisciplinary approach reflecting the most advanced developments of the Concurrent Engineering approach. Among the research topics, the following can be listed: autonomous vehicles and robots, intelligent machine tools and machining processes, product innovation, modeling, simulation and control of process, modeling and simulation of

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4 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://ec.europa.eu/education/lifelong-learning-policy/ds_en.htm

5 Further information about DV at http://www.cimea.it/default.aspx?IDC=176
mechatronics system, measurement systems and sensor data fusion, accessibility and assistance systems, modeling of the human movements, mechanisms for space applications, numerical analysis and SW development for dynamic simulation and optimization, control and identification of linear, non-linear and hybrid dynamic systems.

Electronic and Integrated Microelectronic Systems
The main research activities in the area of Electronic Systems and Integrated Microelectronic Systems are focused on the design and development of systems for the acquisition, elaboration and management of signals and information useful to solve problems of industrial and social relevance. Microelectronics, microsensors and systems embedded in automation devices, biomedical instrumentation, advanced research tools (such as detectors for elementary particle physics), systems for vigilance and assistance, systems on chip (SoC) and ultra-low power, methodologies for data acquisition, elaboration and distributed measuring systems, can be listed among the current research fields.

Operation Research
Operation Research represents a research field in which models are developed to support decisions and to analyze the economic efficiency, productivity and quality of industrial processes; techniques are developed for the mathematical optimization and computer simulation; information technology tools are assessed for the management and decisions support; criteria for the risk and uncertainty assessment in problem solving are provided.

A list of the specific research subjects proposed for the 30th cycle, with the proponents, is available at: http://www.unitn.it/en/ateneo/3049/announcement-selection

Such research subjects can be taken as a guide for the preparation of the research proposal that must be attached to the application (see next Art. 5).

Educational programme

During the three-year course the syllabus requires different activities, with a more intense attendance of classes during the first and second year.
The Doctoral Programme requires 180 credits: 140 assigned for the research activity and 40 for educational activities.
Research credits are awarded by completing the dissertation, whereas educational credits can be obtained by attending:
- courses selected among those listed in the Manifesto of Studies;
- courses offered by other Institutions;
- schools, workshops and seminars organized within the Doctoral Programme or in other Institutions.
Such activities must be certified, based on the attendance and achievement of specific educational objectives.
The purpose of the educational activities is to provide doctoral students with an advanced background on the main concepts of Materials Science and Engineering, Mechatronics, Electronics and Systems Engineering.
The target of the Doctoral Programme is to provide doctoral students with qualified skills in engineering, useful to work in research centers or in companies as well.
One of the aims of the Doctoral Programme is to allow the students to achieve a complete maturity and autonomy in planning, programming, developing and reporting their research activity.
To be admitted to the second and third year, students are required to pass an examination. The student is asked to hold a seminar on the research topics concerning his/her dissertation. The seminar is public and it should be held in front of a commission, whose at least two members are appointed by the Doctorate Committee. The final judgment of the commission will be based on the presentation, quality and advancement of the research work, ability of the student in answering to the commissions’ and audience’s questions. The official admission to the following year is granted by the Doctorate Committee, which is asked to discuss and approve the report of the commission.
The denial of the admission to the following year implies the exclusion from the Doctoral Programme and forfeiture of the scholarship.
Within the third year doctoral students should take an examination, similar to the exam for admission to the second and third year, which qualifies him or her to access the final examination.
Doctoral students on a co-tutelle programme (i.e. the “Dual PhD” with the University of Colorado at Boulder), requiring to spend a period of research in a foreign university, may be asked to follow a specific research programme.
Art. 5 – APPLICATION

Applying for the Doctoral Programme requires an online application process, and involves two stages:

1) Registering on the University’s website at [http://www.unitn.it/en/account](http://www.unitn.it/en/account) by entering the information requested. If the registration has been correctly submitted, within a maximum of 2 working days the applicant will receive a username and password by email, which will be required in order to use the UNITN’s online services;

2) Filling out the application⁶, complete with the requested attachments in electronic format, available at [http://www.unitn.it/en/apply/dott](http://www.unitn.it/en/apply/dott)

The application shall be subject to the payment of an application fee - non-refundable - amounting to € 15 to be paid by credit card or other means, according to the instructions given in the appropriate section of the Application online.

The application must be completed and submitted by 4.00 PM Italian time of June 30, 2014. Please check that you have received the email which confirms the correct delivery of the Application online. Candidates are advised not to wait until the last days prior to the deadline for submitting their application. The University assumes no liability for any malfunctions due to technical problems, overloading of the communication lines and application system or for the loss of documents due to incorrectly written addresses by the candidate or late notification of change of address indicated in the application, not for any errors attributable to acts of third parts, to unforeseeable circumstances or force majeure. The online application is considered as a self-declaration of personal data and qualifications declared with full legal effect.

It is the sole responsibility of the applicant to submit a correct and complete application. Applications not submitted using the online procedure specified in this article, incomplete applications and applications lacking the mandatory attachments, included the payment receipt, will not be considered valid.

All applicants are admitted to the selection procedure conditionally upon verification that they fulfill the admission requirements.

The University of Trento is entitled to verify the documents delivered pursuant to articles 71 et seq. of the Presidential Decree no. 445 of December 28, 2000. The University can at any time, even after enrollment and upon justified reasons, decide for the exclusion of applicants lacking the requirements specified in the present call.

According to Italian Law No. 104/92, Article 20 and to Italian Law No. 68/99, Article 16 (1), applicants with special needs or affected by learning disabilities are expected to indicate explicitly in their application whether they require special assistance or extra time during the selection. Under Legislative Decree 196/03, all information will be kept confidential.

MANDATORY ATTACHMENTS (failure to upload one or more mandatory attachments will result in the exclusion from the selection):

1) **identity document**: a photocopy of the applicant’s ID (for EU citizens) or passport, specifically the pages with photo, personal data, number of the ID document, place and date of issue, and expiry date.

2) **Degree certificate**:  
   - **Applicants with an Italian degree**: a self-declaration (by using Annex A), according to Article 46 of the Presidential Decree No. 445 of 28.12.2000 and subsequent amendments, stating the possession of a degree (see Article 2 of this call), “Classe di Laurea”⁷, awarding date, issuing University, final grade, examinations taken and grades obtained.

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⁶ The candidate has the option of filling out the application in either Italian or English.

• Applicants with a foreign qualification:
copy of the degree certificate with examinations taken and grades obtained or equivalent
certification, stated in Article 3 of this call. If the qualification has not been officially recognized as
equivalent to an Italian degree, the applicant must also submit a translation into English (if in a
different language other than Italian or English), of the degree certificate accompanied by a list of the
examinations taken and grades obtained. Such translation must be undersigned by the applicant,
under his/her own responsibility in order to enable the Admissions Committee to declare the
degree’s equivalence for the sole purpose of being admitted to this selection. In order to facilitate the
evaluation of the equivalence, it is highly recommended that students with foreign qualifications
submit a Diploma Supplement or the Dichiarazione di Valore in Loco, if available.
• Applicants who expect to be awarded their degree by October 31, 2014 and are therefore “conditionally” admitted to the selection:
  • a certificate of enrolment with a list of the exams successfully passed and marks obtained in
each examination
  • a statement by their thesis supervisor declaring that the student will obtain the degree by
October 31, 2014.
For EU citizens the two above-mentioned documents may be substituted by a self-declaration, as required by art. 46 of Presidential Decree n. 445 of 28.12.2000 and
subsequent amendments, with exams taken, the corresponding grade and the expected
date for the graduation examination, prepared using the Annex A only for titles that have
been achieved at a public institution of the member countries of the European Union.

3) summary of the final thesis (written in English for foreign applicants) explaining the reasons for the
choice of the subject, the research methodology and the results obtained (max. 4 pages);

4) curriculum vitae et studiorum in English, preferably using the Europass format:

5) statement of purpose;

6) a description of the research project (max. 4 pages) within a research areas of the Doctoral
Programme, preferably on one of the research subjects of the 30th cycle listed at the following link:
http://www.unitn.it/en/ateneo/3049/announcement-selection

Candidates applying for scholarships on reserved topics must attach a research project on that specific
subject; during the interview the specific eligibility to this subject will be assessed.
Candidates who have been awarded a scholarship for a reserved topic must accept it.

7) The document “Signed acceptance document” in pdf format automatically generated by the online
application: it must be printed, dated, signed and uploaded in the specific section “Upload of Signed
acceptance Document” of the application online.

OPTIONAL ATTACHMENTS:
- List of research outputs;
- any certificates attesting the knowledge of foreign languages;
- any other documents useful to assess the research skills of the applicant (prizes, scholarships, post-
  graduate research and work activity, recommendation letters, etc.)

Only documents in English or Italian will be taken into consideration for the selection by the
Admissions Committee.

The University will accept any additional documents to the submitted application if sent by email to
ateneo@unitn.it (Subject: “Application ID number- candidate’s Surname and Name- Doctorate in Materials,

8 For details regarding the equivalence visit http://www.cimea.it/default.aspx?IDC=134
9 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://ec.europa.eu/education/lifelong-
learning-policy/ds_en.htm
Mechatronics and Systems Engineering - Integrazione domanda") within June 30, 2014. Additional documents submitted by different means will be disregarded.

Art. 6 – SELECTION

The selection process is designed to assess the candidate’s knowledge and aptitude towards scientific research.

The selection consists of:
- an evaluation of titles assessing the qualifications of the candidate according to Art. 5 of this call;
- an oral examination.

The Admissions Committee can assign each candidate a total score of 60 as follows:
- 30 points for the assessment of qualification;
- 30 points for the oral examination.

Candidates obtaining a minimum score of 18/30 for the assessment of qualifications will be admitted to the oral examination. The list of the candidates admitted to the oral examination will be published on the website: http://www.unitn.it/en/ateneo/3049/announcement-selection

The oral examination is designed to assess the candidate’s basic knowledge about the Doctorate scientific areas, specifically to that referred to in the research project, to discuss past research and professional experience, and qualifications presented.

The oral examination is successfully passed with a minimum of 18/30 point score and will also evaluate the candidate’s knowledge of English.

Competences on the specific subject of the reserved scholarship/s will be assessed during the interviews of interested applicants.

In order to be allowed to oral examination the candidate must provide a valid ID/passport with photo.

At least 20 days before the date of the examination, time and location of the examination will be published on the website: http://www.unitn.it/en/ateneo/3049/announcement-selection.

Applicants residing or domiciled abroad, or otherwise unable to proven reasons to take the interview in person, may ask to the Admissions Committee at the time of filling out the application online, to conduct the oral examination in another seat by video-conference.

In the case of admission to the oral examination, the candidate shall execute the request by sending, within 3 days from the date of publication of the outcome of the assessment of qualifications, to dii.phd@unitn.it an address at a university or diplomatic seat together with the name of an officer who can identify him/her before the interview. To do this the applicant will have to use the form available at: http://www.unitn.it/en/ateneo/3049/announcement-selection

The possibility of using this procedure is subject to the approval of the Admissions Committee after verification of technical feasibility. The Committee will guarantee that all the regularity requirements are fulfilled during the examination (verifying the candidate’s identity and the accuracy of the interview).

N.B. The results of the selection - interim and final - will be posted on the website with the ID of the application. It is therefore recommended that candidates keep the ID so to check their results.

Art. 7 - ADMISSIONS COMMITTEE

The Admissions Committee is appointed by the Rector upon advice of the Doctoral Committee. It will consist of three members chosen among Italian and foreign professors and researchers, who are experts in the scientific areas of the Doctorate. The Committee may also include up to two experts, who may be foreign, from public and private research institutes.

At the end of the selection procedure the Admissions Committee will draw up the ranking of candidates based on the scores obtained both in the assessment of qualification and in the oral examination.

The final ranking of the candidates will be posted on the website: http://www.unitn.it/en/ateneo/3049/announcement-selection

Notification is considered as delivered through the announcement of the short-list.

Successful applicants will not receive personal communications of their results.
Art. 8 - ADMISSION TO THE DOCTORAL PROGRAMME AND ACCEPTANCE OF THE POSITION

Applicants will be admitted to the Doctoral Programme according to their final ranking until all available positions have been filled.

In case of equally ranking candidates, the student's economic situation will be evaluated for the purpose of assigning a scholarship, in accordance with the Decree of the President of the Council of Ministers of the 9th of April 2001 and subsequent amendments. For places without a scholarship, the younger candidate shall be given priority.

If a successful applicant withdraws before the beginning of the course (November 1, 2014), the next applicant on the short-list will be offered the place. The latter must submit his/her acceptance of the position within 8 days starting from the next day after the communication from the Divisione Supporto Corsi di Dottorato e Alta Formazione- Polo Collina.

If a successful applicant withdraws or is excluded during the first three months of the first year of the course, the Doctoral Committee may decide to fill the vacant place with the next available candidate on the ranking. According to art. 20, paragraph 3 of the University Regulations for Doctoral Programmes, no more than 2 supernumerary candidates may be admitted without scholarship from the University, after passing the selection procedure, if they fall under one of the following types:

a) short-listed applicants from non-EU countries who have been awarded any kind of scholarship (i.e. by the Ministry of Foreign Affairs or the Government from which the candidate comes from, or International Institutions);

b) short-listed applicants from a country with a specific intergovernmental agreement with Italy, on the basis of a bilateral agreement between the University of Trento and the foreign university, with no obligatory financial burden for the University of Trento;

c) holders of research fellowships (Assegno di ricerca) already awarded at the start date of the Doctoral Programme, after verification of the appropriateness of the research topic by the Doctoral Committee;

d) civil servants or under public law regime. Admission is subject to the passing of the selection procedure and placement on leave under Article 2 of the Law of 13 August 1984 no. 476 and subsequent amendments.

Public employees who have already obtained the title of Doctor of Philosophy, or civil servants who have been enrolled in the doctorate for at least one academic year, benefiting from a leave regardless of the research scientific area, are not entitled to special leave with or without scholarship.

Admitted applicants must send the acceptance of the position using the form downloadable at http://www.unitn.it/en/ateneo/2696/enrolment-and-extension to:

“Università degli Studi di Trento – Direzione Didattica e Servizi agli Studenti
Divisione Supporto Corsi di Dottorato e Alta Formazione Polo Collina, Via Sommarive 14
38123 Povo – Trento – ITALIA
Email: dottorati-collina@unitn.it

within 8 days starting form the next day of the publication of the final ranking on the website. The receipt of payment of the provincial tax for the right to university study (TDS), and of the duty stamp must be attached to the application.¹⁰

Short-listed applicants who do not submit their acceptance within 8 days starting form the next day of the publication of the ranking on the website: http://www.unitn.it/en/ateneo/3049/announcement-selection will lose their right to enroll and their places will be offered to the next candidates on the ranking.

Candidates who wish to assert their requirements for supernumerary positions shall request, by submission of appropriate documentation proving their status, such admission always within 8 days starting form the next day of the publication of the ranking list. Supernumerary admission is disposed within the limit of two (2) positions following the order of the final ranking.

¹⁰ Please note that the total amount of TDS + duty stamp must be paid only by bank transfer following the instruction at: http://www.unitn.it/en/ateneo/2704/tax-student-tds. On this page you can also check if you can be exempted from TDS.
Art. 9 – REGISTRATION

The official registration in the course, limited to short-listed candidates who have accepted the place with the procedures set out in the preceding article, will automatically be formalized as soon as the process of accreditation from the Ministry of Education, University and Research will be completed. In case of non-accreditation, candidates who have accepted the place will receive a timely notification via email and the fee for the Right to Education (TDS) will be refunded.

Art. 10 – SCHOLARSHIPS

Scholarships are assigned on the basis of the ranking of applicants drawn up by the Admissions Committee, on request of the applicant. The candidate who has been awarded a scholarship on a specific topic, must accept the offer, as scholarships not related to a specific topic are considered as a secondary choice. In case the candidate refuses the scholarship, it will be offered to the next candidate in the ranking; in the case of a scholarship on a specific topic, it will be offered to the next successful candidate on the ranking having obtained the eligibility for that specific subject.

The gross amount of the Ministerial Scholarship is Euro 13,638.47 per year\textsuperscript{11}. Scholarships are normally paid bi-monthly in advance, with the exception of undue payments in case the student is expelled or suspended and the first installment of the calendar year (January-February), which is paid at the end of January. The scholarships cannot be combined with other grants, except those awarded by national or foreign scientific institutes for periods spent abroad that are deemed useful for the research activities of the student. The scholarship will be increased by 50% for research periods spent abroad that are authorized by the Director of the Doctoral Programme or by the Doctoral Committee, for periods lasting minimum 1 month and maximum 18 months.

From the second year of the course each student is provided with a budget for research activity not less than 10% of the ministerial scholarship. The scholarship is conferred for the entire duration of the Doctoral Programme, conditional upon a positive evaluation of the Doctoral Committee at the end of each study year. Failure to attend the Programme for over thirty days will result in suspension of the scholarship. If during the year a student decides not to continue his/her studies, he or she forfeits the right to use the scholarship. Those who have already benefited, even partly, of an Italian doctoral scholarship cannot be granted another one.

Art. 11 - RIGHTS AND DUTIES OF DOCTORAL STUDENTS

The admission to the Doctoral Programme implies the full-time exclusive engagement of the PhD student. Students enrolled in the Doctoral Programme must attend the programmes, seminars, lessons and teaching units, carry out research and study activities on a full time basis in the structures designated for these purposes and submit a report on the research work done to the Doctoral Programme Committee at the end of each year of study. Students participating in a co-tutorship programme are obliged to carry out study and research activities in compliance with the agreement established with the foreign university. The Doctoral Programme Committee may decide to exclude PhD students from the Doctoral Programme with the resulting forfeiture of the study fellowship in the following cases:

a) insufficient marks in the possible evaluation exams in itinere during the 3 years of the Programme;

b) negative opinion given by the Doctoral Programme Committee regarding admission to the successive year of study; in this case, the Doctoral Programme Committee will verify achievement of the results required for the current year as well as the assiduousness and commitment demonstrated by the student in the research work done;

c) the student accepts employment contracts without authorization by the Doctoral Programme Committee;

d) unexcused and extended absences.

Doctoral students awarded a scholarship financed by external bodies and related to a specific research activity must carry out that specific activity.

For the entire duration of the Doctoral Programme, doctoral students are insured by the University against accidents and civil liability that may occur in circumstances pertaining to the Doctoral Programme.

\textsuperscript{11} At the date of publication of the present call, Italian law (art. 2, par.26 of Law 335/95 and subsequent modifications) states that scholarships are subject to pension fund contributions (INPS) starting from 01/01/2013, of 20% or 27.72%, of which 1/3 will be charged to the candidate.
According to art. 2, paragraph 1 of the Law 476 issued on the 13th of August 1984 and subsequent amendments, a public service employee admitted to the Doctoral Programme may request unpaid leave for reasons of study for the whole duration of the doctoral course and may benefit from the scholarship, if the required conditions are met. In the case of admission to a doctoral course without a scholarship, or if the candidate has declined the scholarship, the employee on leave may benefit from the economic remuneration and social insurance and retirement benefits enjoyed by the public administration where he/she is employed. Should the employee terminate the contract in public administration in the two years succeeding his/her having obtained the doctoral degree, the amounts paid during the course of the doctoral studies will be claimed back.\footnote{For further information refer to the mentioned law.}

**Art. 12 – DOCTORAL DEGREE AWARD**

The doctoral degree, or Ph.D., conferred by the Rector, is awarded when students pass the final examination at the end of the Doctoral Programme.

The Examination Committee will be nominated by the Rector, upon advice of the Doctoral Committee and in accordance with the University Regulations for Doctoral Programmes.

The issue of the degree certificate is conditional upon the candidate uploading the University open access archive with a copy of his/her final thesis. The University archives will ensure public accessibility and the proper conservation of the thesis. The University will provide the National Libraries in Rome and Florence with a copy of the thesis, as required by Italian law.

**Art. 13 – INTELLECTUAL PROPERTY OF RESEARCH RESULTS AND PUBLICATIONS**

Referring to copyright protection (D.lgs. 633/1941 and subsequent amendments) the use of results obtained during the research activities in the Doctoral Programme, carried out with scholarships supported by an external authority may receive restrictions due to financial agreements of which the Doctoral Students will be informed at the moment of the assignment of the scholarship.

**Art. 14 – PERSONAL DATA**

The University of Trento, abiding by Legislative Decree 196/2003 and subsequent amendments, shall use the personal data of the candidates only for the purpose of the selection procedures and for institutional reasons. Participation in the present selection entails, in observance of the above-mentioned law, that the applicant allows the University of Trento to publish his/her personal data concerning the results of the selection procedure on the University website.

Data are treated by the University of Trento, via Calepina, 14 – 38122 Trento (Italy).

**Art. 15 – REFERRAL RULE**

For matters not explicitly mentioned in the present announcement, please refer to art. 4 of Law no. 210 of 3.07.1998 as amended by Article 19, paragraph 1, of the Law of 30.12.2010, n. 240, 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.

On behalf of

The Rector

The Head of Education and Student Services

Dott. Paolo Zanei
ANNEX A

Declaration substituting

DEGREE CERTIFICATE
(Art. 46 - lettera l, m, n - D.P.R. 28 dicembre 2000, n. 445)

The undersigned ____________________________________________________________
Place of birth (city+country) ______________________________ date of birth __________________
Official residence (street, number, zip code, city, country) ______________________________________
______________________________________________________________________________
Mobile ___________________________ e – mail _______________________________________

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

DECLARES

A) To have graduated in: __________________________________________________________
Graduation Date: ____________________________________________________________
with mark __________________ out of __________
Type of degree: □ Master’s degree/Laurea Magistrale
□ Other (specify) ________________________________________________________________
University of: ________________________________________________________________
City and Country: ______________________________________________________________
and to have passed the following exams (fill in the subsequent Part C, mandatory)

OR ALTERNATIVELY

B) To have not graduated yet, and to be aware that admission to the PhD Programme is conditional
upon the presentation of the degree certificate by the scheduled date in the call.

Currently studying (subject) ______________________________________________________
Type of degree: □ Master’s degree □ Other (specify) ___________________________________________
At the University of: _____________________________________________ Country: ____________
Expected date for final degree defense: _____________________________________________
and to have passed the following exams (fill in the subsequent Part C, mandatory)

Part C: list of examinations passed and registered at the above mentioned University (all data are
mandatory):

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Date __________________   Signature ________________________

*Clear signature in full*

This declaration is exempt from stamp duties, pursuant to Art. 37 of the Italian Presidential Decree no. 445 of 28.12.2000.

*The present declaration does not require authentication of the signature nor the signature should be affixed in the presence of the person assigned to receive the document. If sent, the signatory should add a copy of his own identification document to the present certificate.*