



**Call for Doctoral positions at the International Doctoral School in
“Information and Communication Technologies” - 31st Cycle
Project European Training Network for Cyber-security - NeCS ETN
H2020-MSCA-ITN-2015 – Marie Skłodowska-Curie
Innovative Training Network (ITN)**

N.B. Please note that only the Italian version of the present call issued with Rector’s Decree n. 564 of 14.09.2015 is legally binding; the English version is provided for information only

Art. 1 – SUBJECT OF THE CALL

The University of Trento opens

n. 4 positions of which n.2 with research fellowship

for the 31st cycle (Academic Year 2014/2015) of the PhD Programme of the “International Doctoral School in Information and Communication Technology” within the project European Training Network for Cyber-security - NeCS ETN - H2020-MSCA-ITN-2015 – Marie Skłodowska-Curie – Innovative Training Network (ITN), CUP E62I15000970006, coordinated by National Research Council (CNR).

The winners are considered Early Stage Researchers under the provisions of the rules of the Marie Skłodowska-Curie actions and therefore positions are reserved for those who fulfill the conditions for admission set out in art. 2.

Research topics:

1: Risk metrics for vulnerabilities (research fellowship)

2: Attack vectors & cyber-threats (research fellowship)

3: Cyber security, in particular technologies for dynamic threat assessment and prediction as well as in risk aware usage control (without scholarship)

4: Cyber security, in particular technologies for risk assessment and for cyber-insurance (without scholarship)

Gross amount of Research fellowship: € 2.754,29 + monthly mobility allowance (monthly gross amount € 498,01)+ possible Family Allowance in addition to coverage of study and research relates expenses

Duration of the contract: 36 months

For further details on research topics see: http://ict.unitn.it/application/project_specific_grants

Deadline for application: October 22, 2015, hrs. 04.00 PM (Italian time, GMT +2)

Website of the PhD Programme: <http://ict.unitn.it/>

Website of the selection procedure: <http://www.unitn.it/en/ateneo/1924/announcement-of-selection>

Duration: three years

Official Language: English

Start of the Academic Year: January 1, 2016

Notice!

- a. All communications will be handled by e-mail. Applicants must regularly check their mailbox and inform the PhD office (phd.office-st@unitn.it) of any change of the email address with respect the one stated in the application.

- b. All results of the selection procedure, intermediate and final, will be published on the webpage of the selection procedure and the candidates will be identified by the ID of their application. The publication on the web is to all intents and purposes valid as an official notification. No individual communication will follow.

Art. 2 – ADMISSION REQUIREMENTS

According to the Guide for Applicants of the Marie Skłodowska-Curie Actions¹, eligible for selection are candidates with the following requirements:

1. ACADEMIC DEGREE

Applications for doctoral positions are accepted from applicants, 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, or an equivalent Italian degree or an equivalent degree obtained abroad (Master’s degree) recognized as equivalent by the Admissions Committee for the sole purpose of access to the selection procedure for the PhD Programme of the “International Doctoral School in Information and Communication technologies” **obtained within 4 years as of 1 January 2016.**

Applicants with a foreign qualification that has not been officially recognised as equivalent² to an Italian degree (Laurea Magistrale/Specialistica/vecchio ordinamento) will be considered as requesting equivalence in their application by attaching the requested certificates. The list of applicants whose academic qualifications are considered not eligible for admission to the selection procedure by the Admissions Committee will be published at the selection website.

Applications are also accepted from students expecting to obtain their degree **by October 31, 2015**; in this case applicants must attach the following documents in their application:

- a certificate of enrolment with a list of the examinations successfully passed and marks obtained in each examination; if this document is not in English the applicant must provide a translation into English of the same duly undersigned;
- a statement declaring that the student will complete his/her degree **by October 31, 2015.**

Admission to the Doctoral Programme for successful applicants who have not graduated yet will be “conditional” and the applicant will have to submit his/her degree certificate to Science & Technology PhD Office (via email to: phd.office-st@unitn.it) **by November 6, 2015**, on penalty of exclusion.

2. MOBILITY RULE

The candidate must not have resided nor carried out his/her main activity (work, studies, etc.) in Italy for more than 12 months in the 3 years immediately prior to January 1, 2016. Brief stays, such as - for example - holidays, do not fall within this calculation.

3. OTHER PROVISION

The candidate must have not been awarded a doctoral degree, neither in Italy nor abroad.

According to the Regulations of the University of Trento not eligible for research fellowships are candidates who are:

- Permanent employees working at universities or public research centres or institutes, at the National Agency for new Technologies, energy and sustainable economic development (ENEA) or the Italian Space Agency (ASI), or at any other institutions where their scientific degree is considered equivalent to a PhD according to art. 74, subsection. 4, of the presidential Decree no. 382/1980;
- related by blood, up to the fourth degree, with a Professor of the Department of Information engineering and computer science, with the Rector, the General Manager or any member of the Boards of Directors of the University of Trento.

Art. 3 – APPLICATION PROCEDURE

The application must be submitted online, following these two steps:

1) Registration on the University’s website at <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, necessary to enter UNITN’s online services;

¹ http://ec.europa.eu/research/participants/portal/doc/call/h2020/h2020-msca-itn-2015/1622613-itn_2015_-_guide_for_applicants_v1_en.pdf

² For further information visit <http://www.cimea.it/default.aspx?IDC=134>

2) Filling out the application, complete with the requested attachments in electronic format, available at <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 according to the instructions given in the appropriate section of the online application.

The application must be **completed and submitted by 4.00 PM Italian time (GMT +2) of October 22, 2015.**

The application may be saved and modified until the final confirmation. Thereafter it cannot be modified further. It is the applicant's sole responsibility to submit a correct and complete application. Applicants should ensure that they have received the email notifying the correct closure of the online application. The University refuses any liability for all those applications not properly completed, closed and submitted by candidates.

The applicant declares under his/her responsibility:

- personal details, citizenship, degree awarded/to be awarded, contacts
- that s/he fulfills the admission requirements listed in art. 2 and is not in a situation of incompatibility as per art. 7
- to undertake to immediately inform the University of any changes in the contacts declared

and attaches

MANDATORY ATTACHMENTS (failure to upload one or more mandatory attachments results in automatic exclusion from the selection procedure)

1) Identifying document (ID):

- A copy of the applicant's current **identity card** (only EU citizens) or **passport**, in particular of the pages reporting photograph, personal data, number, place and date of issue and expiry date;

2) academic certificates:

- **Applicants with an Italian qualification** (: a self-declaration, in accordance with Presidential Decree art. 46 no. 445 of 28.12.2000 and subsequent amendments, by using Annex A;
- **Applicants with a foreign qualification:**
copy of the degree certificate awarded necessary for access to the doctorate with examinations taken and grades obtained with Diploma Supplement or the Dichiarazione di Valore in Loco³ or official recognition as equivalent to an Italian degree⁴ if available.
- **Applicants who expect to be awarded their Italian degree:**
a self-declaration, in accordance with Presidential Decree art. 46 no. 445 of 28.12.2000 and subsequent amendments, by using Annex A;
- **Applicants who expect to be awarded their foreign degree:**
 - a certificate of enrolment with a list of the examinations successfully passed and marks obtained in each examination;
 - a statement declaring that the degree will be obtained by October 31, 2015, specifying the Institution and the legal duration of the course

3) a short Master's thesis summary in English (maximum 2000 characters, spaces included) structured as follows: motivations of the thesis, methods of investigation, final results;

4) curriculum vitae in English, preferably according to the Europass model: <http://europass.cedefop.europa.eu/en/documents/curriculum-vitae>; with a list of publications if any. Please do not send the actual publications; only the list will be considered by the commission;

5) statement of purpose: a short statement (maximum 5000 characters, spaces included) in English highlighting the reasons for the applicant's interest in attending the Doctoral School and outlining his/her specific research interests. The template is downloadable from the online application;

³ <http://www.cimea.it/default.aspx?IDC=176>

⁴ <http://www.cimea.it/default.aspx?IDC=134> Submission of the Diploma Supplement or the Dichiarazione di Valore in Loco or the official recognition as equivalent to an Italian degree, optional within the application, is mandatory for admitted applicants when they enrol on the PhD Programme

6) research proposal: in English, based on the template downloadable from the online application, a single file with a short research project for each specific topic which the applicant wishes to undertake.

OPTIONAL ATTACHMENTS:

- Any certificates attesting language skills in English (TOEFL, Proficiency Certificate or other).
- The certification of GRE test (Graduate Record Examination) if any.
- Any additional information useful for assessing the applicant's research skills (e.g. documents concerning awards, post-graduate study and research, scholarships etc.)
- Name and e-mail of max. 3 referees for any reference letters.

Original certificates in Italian, English, French, German and Spanish are accepted; if they are in a different language, a translation into English undersigned by the applicant must be submitted. Applicants are informed that their applications with all the attachments will be made available to the project's Selection Committee as well.

The University will accept any additional documents to the submitted application if sent by email to Ateneo@unitn.it (**Subject:** "Application ID - Applicant's Surname and Name – PhD Programme in in "Information and Communication Technologies" – 31st cycle - Supplement to application") **within October 22, 2015, HRS 04.00 PM (GMT +2) Italian time.** Additional documents submitted by different means will be disregarded.

All applicants are admitted to the selection procedure conditionally upon ascertainment that they fulfill the admission requirements. 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 December 28, 2000. The University can at any time, even after enrolment and for justified reasons, decide the exclusion of candidates lacking the requirements specified in the present call.

Art. 4 – SELECTION PROCEDURE

Selection is necessary in order to assess the applicant's knowledge and research aptitude in the scientific areas referred to in art. 1.

The selection is made by the Admissions Committee on the basis of evaluation of the applicant's qualifications according to art. 3. The Admissions Committee may contact the applicant for an in-depth interview or a video-interview concerning the material submitted. This interview will not entail additional points.

The Admissions Committee will have 100 points. Applicants obtaining a minimum score of 60/100 will be short-listed.

The assessment of qualifications will start from October 28, 2015.

Art. 5 – ADMISSIONS COMMITTEE AND RANKING

According to the University Regulations, the Admissions Committee is appointed by the Rector upon advice of the Doctoral Committee and defines the evaluation criteria during its preliminary meeting.

At the end of the selection procedure the Admissions Committee will draw up one ranking.

Positions will be assigned following the order of the ranking.

Research fellowships will be assigned by following:

1. the order of the ranking;
2. the eligibility of the applicant for the specific research topics.

Note that research topics are assigned at the discretion of the Admissions Committee and, where possible, according to the preference expressed by the applicant in the online application. If no candidate who has expressed preference for a research topic proves suitable for the same, the Commission is entitled to allocate those topics also to those candidates who have not specifically requested them.

The non-allocation of the research fellowships or lack of eligibility for research topics will result in the reduction of the positions.

Art. 6 - ADMISSION TO THE DOCTORAL PROGRAMME AND ENROLMENT

1. Applicants will be admitted to the Doctoral School according to their place in the final ranking until all available places have been filled. Failure to sign the contract for the research fellowship entails forfeiture of the right to enrol on the PhD programme.

2. Admitted applicants must enrol following instructions at <http://www.unitn.it/en/ateneo/1928/enrollment-1-2-3-year>

- **within 6 days** starting from the next day of the publication of the final ranking on the website <http://www.unitn.it/en/ateneo/1954/announcement-of-selection>

Notice! Successful applicants with a foreign qualification must submit the Diploma Supplement (for qualifications awarded at an institution of a country of the European Higher Education Area) or the Dichiarazione di Valore in Loco; if these required documents are not available at the moment of enrolment, they must be sent to phd.office-st@unitn.it by January 11, 2016 on penalty of exclusion.

3. The enrolment form must include the payment of stamp duty and, where applicable, the payment of the "provincial tax for the right to higher education" - TDS⁵.
4. Admitted applicants who do not enrol within the above mentioned deadlines will lose their right to enrol and their places will be offered to the next applicants in the ranking list.
5. If a successful applicant withdraws before the beginning of the course (January 1, 2016), the next applicant on the reference ranking list will be offered the place. The latter must submit his/her enrolment within 4 days starting from the day after the day on which the communication from the Science & Technology PhD Office is sent.
6. If a successful applicant withdraws or is excluded after the beginning of courses and during the first quarter of the first year, the Doctoral School Committee may decide to fill the vacancy with the next applicant on the reference list.

Art. 7 – RESEARCH FELLOWSHIP

Successful candidates shall stipulate a contract with the University regulating collaboration for research activities in accordance with art. 22 of Law 240/2010. This contract does not create rights for access to academic posts. For non-EU citizens, fruition of the research fellowship is conditional upon possession of a residence permit for self-employment which covers the entire duration of the allowance.

The fellowship is paid in monthly instalments upon verification of proper execution by the research supervisor.

Fellowships may not be cumulated with grants awarded for any purpose, except those awarded by national or foreign institutions in order to integrate, with periods abroad, the research activities of the recipients, nor with similar research collaboration contracts, not even at other universities.

Acceptation of the fellowship is not compatible with participation in bachelor or master degree courses, or with research doctorate courses with a scholarship or medical specialization, neither in Italy nor abroad.

The University shall provide insurance coverage with respect to risks of accident and liability, also applying the tax and social security provisions of art. 22, paragraph 6, Law 240/2010.

Art. 8 - DOCTORAL STUDENTS RIGHTS AND DUTIES

Admission to the Doctoral Programme implies the full-time exclusive engagement of the PhD student. Students enrolled on the Doctoral Programme must attend the courses, 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 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 consequent forfeiture of the study fellowship in the following cases:

- a) unsatisfactory results in tests administered during the course year attended;
- b) negative assessment by the Doctoral School Committee concerning admission to the next year of the course; the Doctoral School Committee will verify the results for the year as well as the diligence and industriousness demonstrated by the doctoral student in his/her research; if a student fails the Qualifying Exam (as detailed in the Executive Regulations available on-line at http://assets.disi.unitn.it/uploads/doctoral_school/documents/regulations/Regolamento_interno_del_corso_di_dottorato ICT International Doctoral School.pdf;). The exclusion will begin from the date decided by the Doctoral School Committee;

⁵ Please note that the total amount of TDS + duty stamp must be paid only by bank transfer following the instructions at the webpage <http://www.unitn.it/en/ateneo/1931/education-tax-tds-and-stamp-duty>. At the same webpage applicants can check if they can be exempted from TDS.

- c) full time contracts as well as subordinate work and any occupation undertaken without authorization from the Doctoral School Committee;
- d) unjustified and extended absences.

Foreign students enrolled at the School are required to learn the Italian language to a level of proficiency sufficient for work placement in Italy. The ICT International Doctoral School and the University will support and facilitate the Italian language learning.

The holders of research fellowships, in particular, are required to fulfill the commitments established by the individual contract; such commitments are fulfilled under the supervision of the research coordinator (supervisor), who will verify the activities undertaken.

Besides the above duties, successful ETN candidates must draw up a personal Career Development Plan which envisages, amongst other things, a mandatory period of mobility at a partner of the ETN-NECS consortium for a period of up to 30% of 36 months.

Art. 9 – DOCTORAL DEGREE AWARD

For admission to the Final Exam, students must have undertaken at least a 3-month research period abroad; except in case of a written justification motivated by the Advisor (refer to the Executive Regulations available at: http://static.digns.com/uploads/doctoral_school/documents/regulations/n_a.pdf)

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 applicant 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. 10 – PERSONAL DATA

Personal data provided by applicants will be treated, by paper or computer, according to current regulations (D. Lgs 196/2003). Data are treated by Università degli Studi di Trento, via Calepina 14, 38122 Trento (TN).

Art. 11 – REFERRAL RULES

For matters not explicitly mentioned in the present announcement, please refer to Law of 30.12.2010, no. 240, to Ministerial Decree no. 45 of 08.02.2013, to the University Regulations for Doctoral Programmes issued with the Rector's Decree no. 383 of 04.07.2013 and subsequent amendments, and to Research Fellowship Regulations issued with Rector's Decree no. 384 of 04.07.2013.

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)
Only for Italian degrees

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 specialistica/magistrale
 Italian University degree of the previous regulations in force
 Other (specify) _____

University of: _____

City and Country: _____

and to have passed the following examinations (fill in the subsequent Part C, mandatory)

OR ALTERNATIVELY

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

Currently studying (subject) _____

Type of degree: Master's degree; Laurea specialistica/magistrale; Italian University degree of the previous regulations in force; Other (specify) _____

At the University of: _____ Country: _____

Expected date for final degree defense: _____

and to have passed the following examinations (fill in the subsequent Part C, mandatory)

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

