



**Call for Doctoral positions, ICT International Doctoral School  
"Information and Communication Technologies" - 26th Cycle  
Computer Science area**

**THE RECTOR**

Given Law no. 210 of July 3, 1998, and in particular, art. 4, which assigns the organization of doctoral studies to universities in accordance with the general criteria stipulated by ministerial regulations;  
Given Ministerial Decree no. 224 of April 30, 1999, regarding the general criteria to be followed by individual universities in the organization of doctoral studies;  
Given the Decree by the Prime Minister of April 9, 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. 395 of July 14, 2008;  
Given the University Regulations for Doctoral Schools, issued with Rector's Decree no. 997 of December 16, 2003 and subsequently modified with Rector's Decree no. 359 on April 19, 2006;  
Given the proposals made by the Department of Information Engineering and Computer Science;  
Given the report of the internal Evaluation Committee of the 29<sup>th</sup> of December 2009 concerning the requisites of appropriateness proposed by the Doctoral Schools;  
Given the decision by the Academic Senate and the Commission for Scientific Research, on the 3<sup>rd</sup> of February 2010.

**DECREES**

**Art. 1 – INSTITUTION**

The University of Trento announces the institution of the 26<sup>th</sup> cycle of the International Doctoral School in Information and Communication Technology, for the academic year 2010/11

**Duration:** three years

**Discipline:**

INF/01 Computer Science  
ING-INF/01 Electronics  
ING-INF/02 Electromagnetic Fields  
ING-INF/03 Telecommunication  
ING-INF/04 Automated Reasoning  
ING-INF/05 Information Processing and Computer Engineering  
ING-INF/06 Bioelectronics and Bioinformatics  
ING-INF/07 Electrical and Electronic Measurements

**Head of the School:** prof. Fabio Casati – E-mail: [infoICT@ict.unitn.it](mailto:infoICT@ict.unitn.it)

**Official Language:** English

It is announced the selection for **54 places of which 44 are covered with a study grant.**

Grants are financed as follows:

10 study grants University of Trento;

1 study grant University of Trento and Department of Information Engineering and Computer Science;

1 study grant Department of Information Engineering and Computer Science, related to the project "HCI for memories and events";

- 1 study grant Department of Information Engineering and Computer Science, related to the project "Human behavior understanding";
- 1 study grant Department of Information Engineering and Computer Science, related to the project "Multimodal social signal analysis";
- 1 study grant Department of Information Engineering and Computer Science, related to the project "Semantic Translation";
- 1 study grant Department of Information Engineering and Computer Science, related to the project "Liquidpub: Changing the way scientific knowledge is produced, disseminated, evaluated and consumed";
- 1 study grant Department of Information Engineering and Computer Science, related to the project "Knowledge representation for events and memories";
- 1 study grant Department of Information Engineering and Computer Science, related to the project "World level formal verification via SMT solving";
- 1 study grant Fondazione Bruno Kessler - IRST, related to the project "Statistical Machine Translation";
- 1 study grant Fondazione Bruno Kessler - IRST, related to the project "Automatic Speech Recognition";
- 1 study grant Fondazione Bruno Kessler - IRST, related to the project "Content Processing";
- 1 study grant Fondazione Bruno Kessler - IRST, related to the project "Requirements Engineering";
- 1 study grant Fondazione Bruno Kessler - IRST, related to the project "Machine Learning for Neuroscience";
- 1 study grant Fondazione Bruno Kessler - IRST, related to the project "Vision based scene understanding";
- 1 study grant Fondazione Bruno Kessler - IRST, related to the project "Contextualized knowledge representation";
- 1 study grant Fondazione Bruno Kessler - IRST, related to the project "Collaborative knowledge engineering";
- 1 study grant Fondazione Bruno Kessler - IRST, related to the project "Semantic annotation of Processes";
- 1 study grant Fondazione Bruno Kessler - IRST, related to the project "Web security";
- 1 study grant Fondazione Bruno Kessler - IRST, related to the project "ICT for Development";
- 2 study grants Fondazione Bruno Kessler - IRST, related to the project "Internet of Services";
- 1 study grant Fondazione Bruno Kessler - IRST, related to the project "Multi-sensor acoustic processing for immersive audio applications";
- 1 study grant Fondazione Bruno Kessler - IRST, related to the project "Acoustic scene analysis and distant-talking speech recognition";
- 1 study grant Fondazione Bruno Kessler - IRST, related to the project "Dynamic Wireless Sensor Networks";
- 1 study grant Fondazione Bruno Kessler - IRST, related to the project "Formal Requirements Engineering";
- 1 study grant Fondazione Bruno Kessler - IRST, related to the project "Verification of Critical Systems";
- 1 study grant Fondazione Bruno Kessler - IRST, related to the project "Intelligent Monitoring";
- 1 study grant The Microsoft Research-University of Trento Centre for Computational and Systems Biology related to the project "Compiling languages for biology into low-level programming languages";
- 1 study grant The Microsoft Research-University of Trento Centre for Computational and Systems Biology related to the project "Human-computer interaction for biological applications";
- 1 study grant The Microsoft Research-University of Trento Centre for Computational and Systems Biology related to the project "Data-integration and modeling approaches to genome-wide biological systems";
- 2 study grants Factory Mind Società Cooperativa, related to the project "Research and development of software with SOA (Service Oriented Architecture) technology in Microsoft platforms (Visual Studio; Framework .NET 3.5; Visual Studio Team System)";
- 2 study grants GPI S.p.a., related to the project "Development of Methodologies, Architectures, and Solutions for Analysis, Optimization, Integration and Cooperation of Health and Social Care Processes and Systems";

For further details regarding the abovementioned topics see the web page [http://ict.unitn.it/edu/ict/project\\_specific\\_grants\\_2010.xml](http://ict.unitn.it/edu/ict/project_specific_grants_2010.xml)

**The number of grant-assisted places may be increased** by funds from other universities, public research bodies or qualified private enterprises made available following the publication of the present call and prior to the Call's selection. An eventual increase in the number of grants may determine an increase in the number of places of the call. Any increase in the total number of available places will be posted on the website: <http://portale.unitn.it/en/ec/phd/ict.htm>

## Art. 2 – ADMISSION REQUIREMENTS

Applications for the admission to the Doctoral School are accepted from candidates, regardless of gender, age, religion or nationality, who have (or will have within the 29<sup>th</sup> of October 2010) an Italian "laurea specialistica" ("magistrale") according to Ministerial Decree no. 509 of 3.11.1999 and following amendments, a university degree of the previous regulations in force, or equivalent degree qualification obtained abroad.

Applicants who have a foreign qualification that has not been officially recognised as equivalent to an Italian degree must submit a request for equivalence in their application. In this case, it is necessary to attach the following documents:

- degree certificate (EU citizens might present a self-declaration of the possession of a degree, according to Presidential Decree no. 445 of 28.12.2000)
- translation into English of the degree certificate with exams and grades obtained and furthermore signed by the applicant to enable the Doctoral School Committee to declare its equivalence, for the sole purpose of being admitted to the selection of the present Call.

Applications are also accepted from students who expect to complete their degree **by the 29<sup>th</sup> of October 2010**. They need to present, together with their application, a statement by their thesis supervisor declaring that the student will complete his/her degree by 29.10.2009. In such cases, admission will be "conditional" and applicants must be able to present the relevant degree certificate (according to Presidential Decree no. 445 of 28.12.2000, EU citizens can present a self-declaration that the degree has been conferred) **by the 10<sup>th</sup> of November 2010**.

The successful non-EU candidates holding an academic certificate obtained outside Italy and the successful EU candidates holding an academic certificate obtained in a non-EU country, in order to complete their enrolment must present the following **by the 10<sup>th</sup> of November 2010** : a declaration of validity ("Dichiarazione di Valore") and their degree certificate with its corresponding exams and grades, all these translated and legally certified by the Italian diplomatic or consular delegations in the country where the institution that issued the certificate is placed.

## Art. 3 - DOCTORAL PROGRAMME

The Doctoral School relies on the multidisciplinary expertise of the teaching staff and the availability of a range of scientific laboratories at the University, in Research Institutes and in top level partner societies.

The Doctoral School offers doctoral students the chance to acquire advanced skills in specific research fields, as listed in art. 1 and collateral sectors, therefore favouring an interdisciplinary approach on innovative fields in different scientific areas.

The programme includes the following research areas:

- Bioinformatics
- Data and Knowledge Management
- Distributed Systems
- Software Engineering and Formal Methods
- Language, Speech and Interfaces
- Machine learning and Intelligent optimization
- Networking
- Intelligent Information Processing
- Embedded Electronics and Computing Systems

Regarding the Manifesto, study plan, admission to second and third year and award of the title, all information can be found in the Executive Regulations on-line at [http://ict.unitn.it/documents/norme\\_attuative.pdf](http://ict.unitn.it/documents/norme_attuative.pdf)

## Art. 4 – APPLICATION

The Application process includes the following documents:

- **"Admission Call" form;**
- **Attachments.**

### "Admission Call" form

The **"Admission Call"** form (see **"Form A – I"**) must be, first of all, filled in and confirmed **on-line** at the website <http://disi.unitn.it/edu/appform/login.xml>

When the on-line application is completed, the system sends automatically, to the e-mail indicated by the candidate, a .PDF file relative to the 'Admission Call' form. This file needs to be, **printed, signed, scanned** and **delivered** to the University of Trento **by 12:00 p.m. of the 20<sup>th</sup> of April 2010**.

The delivery of the **"Admission Call" form** is compulsory and it can be made in one of the following ways:

- by e-mail to applications-phd@disi.unitn.it (specifying in subject: personal ID number given during the on-line registration, Name and Surname, "Call PhD ICT 26\_INF")
- by fax to the number: + 39 0461 283964 (specifying: personal ID number given during the on-line registration, Name and Surname, "Call PhD ICT 26\_INF").

### **Attachments**

All attachments must be uploaded **by 12:00 p.m. of the 20<sup>th</sup> of April 2010** to the page <http://disi.unitn.it/edu/appform/login.xml> using your access credentials received after completing the on-line enrolment.

The documents in any language other than ENGLISH or ITALIAN will not be considered by the Commission.

Attachment 1. Photocopy of the applicant's identity card (only Italian citizens) or passport.

Attachment 2. Academic certificates (degree, master, Phd):

- For candidates who have obtained an Italian qualification: must have a "Laurea specialistica" ("magistrale") or a university degree of the previous regulations in force.

- For candidates who have a foreign qualification that has not been officially recognised as equivalent to "Laurea specialistica" ("magistrale") or a university degree of the previous regulations in force: translation into English of the academic certificate, undersigned by the candidate, on his own responsibility to enable the Doctoral School Committee to declare its equivalence, for the only purpose of being admitted to the present Call.

The EU citizens can present a Self-declaration, stating they have obtained the degree, according to Presidential Decree no. 445 of 28.12.2000.

Applications are also accepted from students, who expect to complete their degree **by the 29<sup>th</sup> of October 2010**. These candidates, in order to be admitted to the Call, have to present:

-University enrolment certificate with exams and grades obtained.

-Official letter by their supervisor stating the date for the candidate's thesis defence.

Attachment 3. A short summary of the thesis in English and in .pdf format (maximum 2000 characters) structured as follows: motivations of the thesis, methods of the investigations, final results.

Attachment 4. Curriculum Vitae, and a list of publications if any. Please do not send the actual publications, only the list will be considered by the commission.

Attachment 5. Short statement (maximum 5000 characters) in English explaining the reasons for the applicant's interest in attending the Doctoral School and outlining specific research interests (Statement of Research Interest). This needs to be included in the page "Statement of Purpose" in the on-line enrolment form available on the website <http://disi.unitn.it/edu/appform/login.xml> using the access codes given at the end of the registration.

Attachment 6. Any certificates attesting knowledge of the English language (TOEFL, Proficiency Certificate or other).

Attachment 7. The pass certification of the GRE test (Graduate Record Examination) if it has been sat.

Attachment 8. Any other document or qualification demonstrating the applicant's research skills (e.g. documents concerning awards, post-graduate study and research, scholarships, research grants, the latter according to art.7 paragraph 2 of this Call as well) .

Attachment 9. An only file containing as many research projects (in English and of one page maximum per project) as the specific topics to which the applicant has declared to be willing to apply.

It will be not accepted to this call, all those applicants who fail to deliver **by 12:00 p.m. of the 20<sup>th</sup> of April 2010**, in one of the modalities above detailed, the 'Admission Call' Form completed and signed and the **attachments 1,2,3,4 and 5**.

Maximum three reference letters may be submitted by referees, experts in the research fields of the Doctoral School. The candidate should indicate the names and the e-mail addresses of the referees during the on-line registration and then ask the referees to submit their letters in one of the following ways:

- by completing on-line the page <http://disi.unitn.it/edu/appform/get-letter.xml> using the candidate's ID number, the referee's ID number and the referee's e-mail address indicated by the candidate during on-line registration.
- via post to the following address: to the Rector of the University of Trento, ICT Doctoral School Secretariat, Department of Information Engineering and Computer Science, Via Sommarive 14. 38123 POVO (Trento). ITALY (specifying on the envelope: "Reference Letter", candidate's ID number, referee's ID number and "Call PhD ICT 26\_INF").

The referees must also indicate their contacts (academic/business telephone number) for a possible verification by the School.

The reference must indicate why the referee is in the position to evaluate the candidate (for instance, how long they have been working with one another).

It will be in any case, the candidates' responsibility to make sure that the references are written and arrive at their destination **by 12:00 p.m. of the 20<sup>th</sup> of April 2010** .

The University of Trento has the right to verify the delivered documents following articles 71 and next of the Presidential Decree no. 445 of the 28.12.2000. The School has the right of excluding from this call, for justified reasons, candidates who have failed to present the requisites necessary for this call. The University of Trento does not accept responsibility for missing out communications due to inexact address details from the candidate, as well as possible postal, telegraphic or telematic problems not to be blamed on the Administration.

#### Art. 5 – SELECTION

Selection is necessary in order to assess the candidate's knowledge and aptitude in research in the scientific areas referred to in art. 3.

The selection is made by the Admission Committee, based on evaluation of the applicant's qualifications according to art. 4.

Applicants obtaining a minimum score of 60/100 will be short-listed.

For the evaluation of candidates intending to apply for one or more grants related to a specific topic, it will be taken into evaluation the submitted short project (Attachment 9).

Grants non related to a topic will be considered with a lower preference

#### Art. 6 – ADMISSION COMMITTEE

The Admission Committee is nominated by the Rector in consultation with the Doctoral School Committee. It consists of three members chosen among professors and researchers including foreign figures who are experts in the scientific areas of the Doctorate. The Committee may also include a maximum of two experts from national and international research institutes, either public or private ones.

The Committee evaluates qualifications and assigns scores. On the basis of points given, the Committee compiles a list of applicants in order of merit. The short-list will be displayed on the website:

<http://portale.unitn.it/en/ec/phd/ict.htm>

**Notification is considered as delivered through the announcement of the list.**

The successful applicants will not receive personal communications of their results.

#### Art. 7 - ADMISSION TO THE DOCTORAL SCHOOL

The Doctoral School admission is based according to a short-list created by the Admission Committee to cover all places available published in this Call.

If a successful applicant withdraws before the beginning of the course (**1<sup>st</sup> of November 2010**), the **next applicant** on the short-list will be offered the place. The latter must submit his/her application for enrolment at the Doctoral School within 10 days following the communication from the Doctoral Office.

If a successful applicant withdraws or is excluded **after the beginning of the courses and during the first term of the first year**, the Doctoral School Committee may decide to fill the vacancy with the next candidate on the list.

According to art. 19, paragraph 3 of the University Regulations for Doctoral Schools and to what has previously been deliberated by the Doctoral School Committee, the Admission Committee may admit to the supernumerary places, up to **20%** more of the total announced places, those candidates, following the rank order of the short-list, who belong to one of the following categories:

- applicants from non-E.U. countries who have been awarded any kind of grant<sup>1</sup> at the moment of the application for the admission to the Doctoral School (e.g. assigned by Ministry of Foreign Affairs, or by Government of home country or by International Organizations);
- 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);
- candidates who have been awarded a research grant under Italian Law 449/97, art. 51<sup>2</sup>.

#### Art. 8 – HOW TO ENROL

Short-listed applicants must submit their application for enrolment to the Doctoral School:

**“Università degli Studi di Trento– Direzione Didattica e Servizi agli Studenti – Ufficio Dottorati ed Esami di Stato, Via Inama 5 – 38123Trento – ITALY”:**

<sup>1</sup> The duration of the grant should cover at least a part of the three-year period of the Doctoral Programme

<sup>2</sup> Winners who have research grants can enroll at the Doctoral School as winners by renouncing their research grants or ask to be admitted to the supernumerary places, following art.7, without renouncing their research grants. The choice is irrevocable.

**within 20 days** following publication of the short-list on the website, <http://portale.unitn.it/en/ec/phd/ict.htm>, successful candidates for places covered with a grant;

**within 30 days** following publication of the short-list on the website, <http://portale.unitn.it/en/ec/phd/ict.htm>, successful candidates for places NOT covered with a grant. The reason why 10 days have been added for successful candidates without grant to enrol, is to offer the given up grants to other candidates.

Application must contain, where applicable, receipt of payment of TDS (“tassa per il diritto allo studio universitario”) for the right to university study.

In their applications (forms are available at the Central Office of Doctoral Studies or can be downloaded from the website: <http://portale.unitn.it/en/ec/phd/ict.htm>) successful candidates should declare:

- ask / not ask to be awarded a grant (successful applicants who are not eligible for a grant must also fill in this option in case an applicant eligible for a grant gives up his/her place);
- declare that they already receive / do not receive a grant by the Italian Ministry of Foreign Affairs or by other Italian or foreign institution;
- declare that they have / have not already been awarded a grant for an Italian Doctorate course (even for one year only);
- declare that they are not already enrolled and undertake not to enrol in any other courses for a diploma, degree, an Italian “Scuola di Specializzazione”, and other doctoral schools/courses and masters of 1st and 2nd level, for the duration of this Doctoral Programme. If they are, they will stop attending such a school before the start of the course;
- declare they are / are not an employee of the Public Administration or another Italian public body;
- declare to request the Doctoral School Committee authorisation for any future occupation;
- undertake to inform the University of any changes of their residence or contact details.

Successful non EU applicants who have a foreign qualification and EU applicants with a no EU qualification, must attach their degree certificate with the examinations passed and the grades obtained, translated and authenticated by an Italian Consulate, Embassy or Diplomatic Representative in the country of the university that issued the degree and the respective declaration of validity (“Dichiarazione di Valore”) no later than **the 10<sup>th</sup> of November 2010**.

Short-listed applicants who do not submit their application within above mentioned deadlines will lose the right to enrol and the corresponding place is consequently offered to the next applicant on the short-list as outlined in art. 7 of the present call.

At the end of the enrolment period, Doctoral students must communicate via e-mail ([infoICT@ict.unitn.it](mailto:infoICT@ict.unitn.it)) to the School Secretariat the exact date of their arrival. Doctoral students who cannot be, for justified reasons, in Trento at the beginning of the academic year must put forward the adequate motivations and justifications in writing, no later than the 5<sup>th</sup> of November 2010. The latest date of arrival in Trento cannot be later than the 10<sup>th</sup> of January 2011, otherwise might face exclusion from the School

In 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 School.

#### Art. 9 – STUDY GRANTS

Study grants are assigned to applicants on the basis of the short-list of applicants given in order of merit done by the Admission Committee.

The study grants related to a specific topic will be considered the preference specified by the applicant in the application form depending on the availability.

If a candidate renounces to the study grant, it will be offered to the following candidate on the shortlist; in the case of the grants with specific requisites, the following candidate must have obtained also the suitability for the specific topic.

The successful candidates of grants related to a topic must accept the grant related to a topic offered to them because grants non related to a topic are considered as a lower preference.

The gross amount of the scholarship is Euro 13,638.47 per year<sup>3</sup>.

The study grants cannot be combined with other scholarships, except those awarded by national or foreign scientific institutes for periods spent abroad which are deemed useful for the research activities of the doctoral student.

Study grants are normally paid bi-monthly in advance, with recoupment of undue payments in case the student is excluded or suspended, as laid down in the University Regulations for Doctoral Schools, art. 24.

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<sup>3</sup> At the date of publication of the present call, Italian law (art. 2, §26 of Law 335/95 and subsequent modifications) states that scholarships, from 01/01/2010, are subject to pension fund contributions (INPS), of 17% or 26,72%, of which 1/3 will be charged to the candidate.

The study grant is increased by 50% for periods spent abroad that have been authorised by the Head of the School or by the Doctoral School Committee.

The study grant is awarded for the entire duration of the Doctoral programme following confirmation by the Doctoral School Committee on the results achieved every year.

Failure to attend the programme for over thirty days will result in suspension of the study grant.

Should a student renounce his/her studies throughout the course of the year then he/she also renounces the corresponding amount awarded with the study grant.

#### Art. 10 – ACCOMMODATION CONTRIBUTION FOR DOCTORAL STUDENTS

The University of Trento provides doctoral students with a monthly accommodation contribution of 100 Euro. To qualify for the contribution the recipient shall have a regular rent contract and some prerequisites required by the Regulation of the University (for further information see <http://portale.unitn.it/en/sfs/lcds.htm>).

#### Art. 11 – CONTRIBUTIONS TO ENROLMENT AND ATTENDANCE

The successful candidates without a study grant, according to art.9 of this call, will pay 5,000 Euros per year for enrolment and attendance to the courses.

The ways for paying and the deadline will be published on the webpage <http://portale.unitn.it/en/ec/phd/ict.htm>.

However, will be exempt of this payment all candidates with a study grant provided by the regulations for the right to study (for instance, the grant by the Opera Universitaria or by the Italian Government) or any other grant by the University of Trento, as well as candidates with a disability equal or superior to 66%.

After the first year of study, the exemption will be conditioned by the award of one of the study grants above mentioned at the moment of enrolling.

#### Art. 12 - DOCTORAL STUDENTS RIGHTS AND DUTIES

Doctoral students must undertake to attend the Doctoral School's courses and to carry out research and study activities on a full time basis according to the schedules and the regulations laid down by the Doctoral School Committee .

The Doctoral School Committee might decide, with an explicit justification, to exclude a student from the School and the consequent forfeit of the study grant in the case of:

- a) unjustified and prolonged absences.
- b) full time contracts as well as subordinate work and any occupation done without authorisation from the Doctoral School Committee;
- c) negative assessment by the Doctoral School Committee concerning admission to the next year of the course; the Doctoral School Committee will verify award of the results for the year as well as the diligence and industriousness demonstrated by the Doctoral student in his/her research;
- d) if a student fails the Qualifying Exam (as detailed in the Executive Regulations available on-line at [http://ict.unitn.it/documents/norme\\_attuative.pdf](http://ict.unitn.it/documents/norme_attuative.pdf)) the exclusion will take place at the end of the month in which the results of the exam are published.

Italian public sector employees admitted to the Doctoral School may request for the duration of the programme a leave of absence to study without salary and may apply for a study grant. In the case that the employee is admitted to the Doctoral course and declines the grant or is not awarded any grant, he/she may continue to receive salary, social security and pension from the public administration. Should the employee choose to end the work relationship during the two years following conferral of the Doctoral title, he/she is obliged to return all payments received for the duration of the Doctoral course.

Foreign students enrolled in the School are obliged to acquire a level of proficiency in the Italian language to allow them to be integrated in an Italian working environment. The ICT International Doctoral School and the University will support the acquisition of the language through the most appropriate means.

#### Art. 13 – DOCTORAL TITLE CONFERRAL

The title of Doctor of Research, conferred by the Rector, is granted to students who pass the Final Exam which takes place at the end of the Doctoral cycle.

The Final Exam Committee is nominated by the Rector after consultation with the Doctoral School Committee and according to the University Regulations for Doctoral Schools.

The issue of the certificate stating the award of the title it is conditioned to the student's submission of his/her Thesis to the University's Institutional Archive open to the public. There it will be granted his conservation and public availability. The university will be responsible for delivering, as according to the Law, the thesis to the National Libraries of Rome and Florence.

#### Art. 14 – PERSONAL DATA

The University of Trento, in accordance with Legislative Decree 196/03 ("Code for protection of personal data"), uses the applicants' personal data only for the fulfilment of the selection procedures and for institutional reasons.

In observance of the above-mentioned law, participation in the selection allows the University of Trento to publish on the University's website the applicants' personal data concerning the results of the selection procedure.

#### Art. 15 – FURTHER REGULATIONS

For matters not explicitly mentioned in the present Call, please refer to art. 4 of Law no. 210 of 03.07.1998, to Ministerial Decree no. 224 of 30.04.1999 and to the University of Trento's University Regulations for Doctoral Schools issued with the Rector's Decree no. 997 of 16.12.2003, and afterwards amended with Rector's Decree of 19.04.2006, n. 359.

Trento, 17 February 2010

The Rector  
Prof. Davide Bassi

Admission Call

TO THE RECTOR  
OF THE UNIVERSITY OF TRENTO

I, the undersigned, apply to be included in the selection for the International Doctoral School in  
**COMPUTER SCIENCE – 26<sup>th</sup> cycle**  
**ICT International Doctoral School**

1) Areas of preference:

- Bioinformatics
- Data and Knowledge Management
- Distributed Systems
- Software Engineering and Formal Methods
- Language, Speech and Interfaces
- Machine learning and Intelligent optimization
- Networking
- Intelligent Information Processing
- Embedded Electronics and Computing Systems

2) Project-specific grants:

For each grant related to a topic, you must number your choices in order of progression, to indicate your preference (number 1= preferred grant ; number 2=second option, etc.) among the various grant. In the case that no preference is indicated, it will be to the Executive Committee discretion to assign it. **The choice of the preferences once indicated will be irrevocable.**

- "HCI for memories and events";
- "Human behavior understanding";
- "Multimodal social signal analysis";
- "Semantic Translation";
- "Liquidpub: Changing the way scientific knowledge is produced, disseminated, evaluated and consumed";
- "Knowledge representation for events and memories";
- "World level formal verification via SMT solving";
- "Statistical Machine Translation";
- "Automatic Speech Recognition";
- "Content Processing";
- "Requirements Engineering";
- "Machine Learning for Neuroscience";
- "Vision based scene understanding";
- "Contextualized knowledge representation";
- "Collaborative knowledge engineering";
- "Semantic annotation of Processes";
- "Web security";
- "ICT for Development";
- "Internet of Services";
- "Multi-sensor acoustic processing for immersive audio applications";
- "Acoustic scene analysis and distant-talking speech recognition";
- "Dynamic Wireless Sensor Networks";
- "Formal Requirements Engineering";
- "Verification of Critical Systems";
- "Intelligent Monitoring";
- "Compiling languages for biology into low-level programming languages";
- "Human-computer interaction for biological applications";
- "Data-integration and modeling approaches to genome-wide biological systems";

- "Research and development of software with SOA (Service Oriented Architecture) technology in Microsoft platforms (Visual Studio; Framework .NET 3.5; Visual Studio Team System)";
- "Development of Methodologies, Architectures, and Solutions for Analysis, Optimization, Integration and Cooperation of Health and Social Care Processes and Systems";

For this purpose I, the undersigned, declare under my responsibility

<b>Last Name:</b>		<b>First Name:</b>		<b>Gender:</b>	<input type="checkbox"/> M <input type="checkbox"/> F
<b>Fiscal code:</b>		<b>Date of birth:</b>			
<b>Place of birth: City</b>		<b>Place of birth: Country</b>			

**PLACE OF RESIDENCE**

<b>Address:</b>		<b>Zip code:</b>	
<b>City:</b>		<b>Country:</b>	
<b>Phone:</b>		<b>E-mail:</b>	

**ADDRESS FOR CORRESPONDENCE (if different from residence)**

<b>Address:</b>		<b>Zip code:</b>	
<b>City:</b>		<b>Country:</b>	

I AM A CITIZEN OF \_\_\_\_\_

**Italian degree**

- THAT I TOOK AN ITALIAN DEGREE obtained in (date) \_\_\_\_\_ with mark \_\_\_\_ out of

in (subject)

(Tick the Italian awarded title)

at the University of

<i>Laurea vecchio ordinamento</i>	<i>Laurea specialistica</i>	<i>Laurea magistrale</i>

- I HAVE NOT YET GRADUATED, I am aware that my admission to the Doctoral School depends on the presentation of my degree certificate before the 29.10.2010

<b>STUDYING (subject):</b>	
<b>AT (University):</b>	

**Foreign degree** (In order to apply for this call your academic titles DO NOT need to have been officially recognised by Italian authorities)

- I HAVE A FOREIGN DEGREE WITH MARK \_\_\_\_\_ OUT OF \_\_\_\_\_

OBTAINED IN DATE \_\_\_\_\_

IN (subject) \_\_\_\_\_

FROM (University) \_\_\_\_\_

COUNTRY \_\_\_\_\_

- My degree HAD BEEN RECOGNISED as equivalent to the Italian degree<sup>4</sup>:

Italian Rector's Decree recognising equivalence	No.
	on (date)
	Authority

- I ASK the Doctoral School Committee TO RECOGNISE its equivalence to the Italian degree

(Candidates who have a foreign degree that has not been officially recognised as equivalent to the Italian degree must send an English translation of the degree certificate, signed by the PhD student, to enable the Doctoral School Committee to declare its equivalence.

Successful non EU applicants and successful EU applicants who have a foreign degree have to present the degree certificate with exams and grades obtained, translated and certified by the Italian Embassy in the country of the university that issued the degree and the declaration of validity ("Dichiarazione di Valore") no later than **the 10<sup>th</sup> of November 2010**)

- I HAVE NOT YET GRADUATED, I am aware that my admission to the Doctoral School depends on the presentation of my degree certificate before the 29.10.2010

STUDYING (subject):			
AT (University):		COUNTRY:	

- I KNOW THE FOLLOWING LANGUAGE(S):

<input type="checkbox"/> English	<input type="checkbox"/> Italian	<input type="checkbox"/> German	<input type="checkbox"/> French
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- NUMBER OF PUBLICATIONS (if any) \_\_\_\_\_

- I HAVE DONE PROFESSIONAL ACTIVITY  Yes  No

- I HAVE OBTAINED THE FOLLOWING SCORES IN GRE CERTIFICATES:

SCORE \_\_\_\_\_ (COMPREHENSION)  
 SCORE \_\_\_\_\_ (VERBAL)  
 SCORE \_\_\_\_\_ (ANALYTICAL)  
 SCORE \_\_\_\_\_ (QUANTITATIVE)  
 SCORE \_\_\_\_\_ (COMPUTER SCIENCE)  
 SCORE \_\_\_\_\_ (\_\_\_\_\_)

- I UPLOADED THE RESEARCH PROJECTS TO APPLY TO THE PROJECT-SPECIFIC GRANTS LISTED ABOVE.

- I ASKED FOR A REFERENCE LETTER TO THE FOLLOWING EXPERTS:

NAME N.1 \_\_\_\_\_  
 PLACE OF WORK \_\_\_\_\_  
 E-MAIL \_\_\_\_\_

<sup>4</sup> Official recognition is not provided by the University, it is a governmental procedure which needs to be undertaken by the interested person.

If you have already had your titles recognised in the past as equivalent to an Italian Degree, you must indicate the Italian Rector's Decree recognising equivalence number (given by Italian authorities).

NAME N.2 \_\_\_\_\_  
PLACE OF WORK \_\_\_\_\_  
E-MAIL \_\_\_\_\_  
NAME N.3 \_\_\_\_\_  
PLACE OF WORK \_\_\_\_\_  
E-MAIL \_\_\_\_\_

- TO THE BEST OF MY KNOWLEDGE ALL THE DATA PROVIDED ARE CORRECT AND ACCURATE.
- I UNDERTAKE TO PROMPTLY INFORM THE UNIVERSITY OF ANY CHANGES TO MY ADDRESS.
- I AM AWARE OF THE REGULATIONS REGARDING THE PRESENT CALL AND WILL ACCEPT SUCH REGULATIONS.
- I AM AWARE OF THE UNIVERSITY REGULATIONS FOR PHD RESEARCH PROGRAMMES AND I WILL ACCEPT THEM ([http://portale.unitn.it/en/rr/reg\\_doct.htm](http://portale.unitn.it/en/rr/reg_doct.htm)).
- I AM AWARE OF THE EXECUTIVE REGULATIONS OF THE ICT INTERNATIONAL DOCTORAL SCHOOL AND I WILL ACCEPT THEM ([http://ict.unitn.it/documents/norme\\_attuative.pdf](http://ict.unitn.it/documents/norme_attuative.pdf)).

Date \_\_\_\_\_

Signature \_\_\_\_\_