



## **CALL FOR ADMISSION TO THE PHD PROGRAMMES AT THE POLITECNICO DI TORINO (31<sup>st</sup> CYCLE) – 01.11.2015 / 30.09.2018**

**Decree n. 158**

### **IL RETTORE**

- Having regard to the Law No. 168 of May 9, 1989;
- Having regard to the Law No. 210 of July 3, 1988, and in particular article 4, including subsequent amendments thereof;
- Having regard to the Legislative Decree No. 276 of September 10, 2003, and in particular article 50 thereof;
- Having regard to the Ministerial Decree No. 270 of October 22, 2004;
- Having regard to the Law No. 240 of December 30, 2010;
- Having regard to the Statute of Politecnico di Torino, adopted by Regional Decree No. 418 of November 29, 2011;
- Having regard to the Director Decree No. 257 of May 30, 2012 “Avviso per lo sviluppo e il potenziamento di Cluster Tecnologici Nazionali”, subsequently supplemented by the Director Decree No. 414 of July 12, 2012;
- Having regard to training activities within the framework of projects approved and financed by MIUR under Cluster Tecnologici Nazionali programme, in which the University is involved, and requiring the establishment of Ph.D.positions at Politecnico di Torino;
- Having regard to the resolution of November 22, 2013 of the Administrative Board of Politecnico di Torino, which approved the establishment of training activities related to projects under Cluster programmes;
- Having regard to the Ministerial Decree No. 45 of February 8, 2013;
- Having regard to the Regulations on Ph.D. Programmes adopted by Regional Decree No. 254 of July 5, 2013, including subsequent amendments thereof;
- Having regard to the Ministerial Decree No.686 of August 20, 2014 on accreditation of Ph.D. programmes with administrative office at Politecnico di Torino;
- Having regard to international agreements of Politecnico di Torino, with special reference to Ph.D. Programmes;
- Having regard to the ministerial memorandum No. 4289 of March 13, 2015 providing the Universities with operational instructions on Ph.D. programmes’ accreditation procedure for the academic year 2015/2016;
- Having regard to the resolution of the Doctoral School Board of March 27, 2015;
- Having regard to the resolution of the Administrative Board of Politecnico di Torino of March 31, 2015 approving the establishment of XXXI cycle of Ph.D. programmes and the allocation and distribution of the Ph.D. scholarships;

### **DECREES**

#### **Art. 1 (Available Positions)**

1. It is hereby announced a public competitive call, open to both Italian and foreign citizens, for admission in the XXXI cycle of the Ph.D. programmes at Politecnico di Torino.
2. Available positions are distributed as in the table below:
  - a) **Ordinary positions:**
    - Positions covered by Ph.D. scholarships without an assigned research topic, hereinafter defined open scholarships (see paragraph 5);
    - Positions covered by Ph.D. scholarships with an assigned research topic, hereinafter defined bound scholarships (see paragraph 5);
    - Positions for Ph.D. in apprenticeship (see paragraph 6);
    - Positions without scholarship (see paragraph 7).



**b) Reserved positions:**

- Positions reserved to those recipients of scholarships, granted by governmental, national or international bodies, who are found eligible to be admitted in a Ph.D. programme (see paragraph 8);
- Position reserved to students selected under specific international agreements in which Politecnico di Torino is involved (see paragraph 9);
- Positions reserved to research fellows found eligible to be admitted in a PhD programme (see paragraph 10).

3. It is announced the availability of 152 positions and 107 scholarships, distributed as in the tables below:

**ORDINARY POSITIONS**

Ph.D. programme	Overall Positions	Positions with scholarship *	Ph.D. in apprenticeship	Positions without scholarship
Architecture. History and Project	8	6	0	2
Architectural and Landscape Heritage	6	5	0	1
Energetics	6	5	0	1
Physics	8	6	0	2
Management, Production and Design	9	7	0	2
Aerospace Engineering	10	8	0	2
Chemical Engineering	8	6	0	2
Civil and Environmental Engineering	14	11	0	3
Electrical, Electronics and Communications Engineering, including the curriculum "Electrical Devices", established in convention with National Institute of Nuclear Physics	28	22	0	6
Computer and Control Engineering	9	7	0	2
Mechanical Engineering	11	8	0	3
Metrology, in convention with National Institute of Metrological Research (INRiM)	11	9	0	2
Materials Science and Technologies	9	7	0	2

\* The descriptive sheets of bound scholarships are published at the page <http://dottorato.polito.it/en/scholarships> (see paragraph 5).

**RESERVED POSITIONS**

Ph.D. programme	Overall Positions	Reserved to recipients of scholarships granted by governmental, national and international bodies	Reserved to students selected within specific international mobility programmes
Architecture. History and Project	0	0	0
Architectural and Landscape Heritage	0	0	0
Energetics	0	0	0
Physics	0	0	0
Management, production and design	0	0	0
Aerospace Engineering	0	0	0
Chemical Engineering	1	0	1
Civil and Environmental Engineering	0	0	0
Electrical, Electronics and Communications Engineering, including the curriculum "Electrical Devices", established in convention with National	1	1	0



Institute of Nuclear Physics			
Computer and Control Engineering	0	0	0
Mechanical Engineering	5	0	5
Metrology, in convention with National Institute of Metrological Research (INRiM)	0	0	0
Materials Science and Technology	8	3	5

4. Notwithstanding the deadlines established in paragraph 1 of Art. 2 for the application submission, the number of available positions may be increased before the completion of the selection procedure. The number of the scholarships may be increased, due to funding made available after the publication of the present call and before the completion of the selection procedure. In both cases, applicants will find timely communications about new available scholarships and/or positions on the Doctoral School website, at the page [http://dottorato.polito.it/en/call\\_for\\_admission](http://dottorato.polito.it/en/call_for_admission). If a new scholarship with an assigned research topic is made available, the relevant descriptive sheet will be also published.

5. **Ph.D. scholarships** announced in the present call and those possibly made available before the completion of the selection procedure and published at the page [http://dottorato.polito.it/en/call\\_for\\_admission](http://dottorato.polito.it/en/call_for_admission) are divided into two categories: scholarships without an assigned research topic, that is open scholarships, and scholarships with an assigned research topic, that is bound scholarships.

Except when explicitly waived, all the candidates applying for a Ph.D. position within the existing call have the right to receive an open scholarship, if available.

Instead, bound scholarships are allocated only to selected applicants, having the required competences to carry out that specific research.

The topics associated to bound scholarships will be published at the following page <http://dottorato.polito.it/en/scholarships>. The referenced page is constantly updated with information regarding additional funding made available before the closure of the competition.

Those applicants interested in one or more bound scholarships shall carefully check the required research topics and competences, as detailed in the relevant descriptive sheets, and contact the scientific referee for the concerned scholarship. Those candidates shall apply for one or more bound scholarships (no more than 5) via the online procedure [Apply@polito.it](mailto:Apply@polito.it) (see art. 3 paragraph 1), using the provided login information, and select the desired option among available scholarships **from 5 days prior to the beginning of the interviews** for admission in the concerned Ph.D. programme, up to h. 24:00 of the day before the beginning of the interviews. Their choice cannot be revoked.

Those candidates who do not select any bound scholarship shall compete only for open scholarships.

Those applicants who are not interested in any scholarship (nor with neither without assigned research topics) shall also enter the procedure [Apply@polito.it](mailto:Apply@polito.it) (see art. 3 paragraph 1), using the provided login information, and select the option for waiving their right to scholarship allocation. Those applicants will compete for the positions without scholarship only. The waiving of the right to scholarship allocation cannot be revoked.

6. **Ordinary positions within the framework of Ph.D. in apprenticeship** are established in compliance with Legislative Decree No. 276 of September 10, 2003, and in particular art. 50 thereof, and Law No. 45/2013 of December 30, 2010. Selected candidates for Ph.D. programmes in apprenticeship are admitted to undertake a higher education programme, leading to the awarding of a Ph.D. title, while being simultaneously employed by a company with an apprenticeship contract.

The selected candidate is admitted in the Ph.D. programme without scholarship and employed by the company with an apprenticeship contract, whose duration is equal to that of the candidate's Ph.D. programme. With a view to the provision of adequate training and supervisory activities, the company and Politecnico di Torino adopt suitable forms of coordination and integration for the entire duration of the contract.

The apprenticeship contract, concluded under art. 50 of the Legislative Decree No. 276/2003, shall terminate after the awarding of the academic title and/or at the end of the candidate's academic career.

To be employed with this type of contract, the candidate shall be aged less than 30 at the time of employment.

7. Each Ph.D. programme provides a certain number of **positions without scholarship**, which can be assigned in compliance with the candidates' position in the ranking list and the number of available positions without scholarships, as explained in art. 7.



Those candidates who want to enrol in a Ph.D. programme without scholarship shall enter the procedure [Apply@polito.it](mailto:Apply@polito.it) (see art. 3 paragraph 1), using the provided login information, and select the option for waiving their right to scholarship allocation **from 5 days prior to the beginning of the interviews** for admission in the concerned Ph.D. programme up to h. 24:00 of the day before the beginning of the interviews. Their waiving of the right to receive a scholarship shall not be revoked.

All the employees, including civil servants to whom was granted a period of extraordinary leave and who continue to receive salaries, benefits and pension contributions, along with all the research fellows and all those cases for which is provided for in paragraph 3 of art. 2 shall not receive a Ph.D. scholarship.

8. Each Ph.D. programme may reserve some positions to **recipients of scholarships granted by governmental, international or national bodies**; if reserved, those positions are assigned to eligible applicants, in compliance with the candidates' position in the ranking list, as detailed in art. 7.

9. **The positions reserved to students within specific international mobility programmes** are made available under specific agreements established by Politecnico with relevant foreign institutions and universities to foster cooperation and mobility within the framework of higher education. The said agreements (detailed in annex 1, attached hereinafter) provide that candidates shall be selected by specific boards.

10. The recipients of a **research fellowship** granted by Politecnico di Torino, other universities or research centres, whom eligibility to enrol in a Ph.D. programme has been assessed during the selection process, are allowed to enrol within the maximum number of positions reserved to them in the call.

The topic of the research fellowship shall match that of the Ph.D. thesis; the candidates may be admitted under condition that the relevant Academic Board assesses the undertaking of the Ph.D. career compatible with the career as research fellow, and further to the approval of the institution granting the research fellowship, if the candidate does not carry out his/her activities at Politecnico di Torino.

The number of positions reserved to research fellows shall be equal to half of the ordinary positions available in each programme and rounded up to the nearest unit.

The research fellowship is not compatible with any Ph.D. scholarship; when enrolling, the research fellows shall follow the same procedure than candidates without scholarships.

11. Pursuant to the Ministerial Decree 45/2013, the Ph.D. programmes may be established under condition that MIUR positively assesses the continued validity of the requirements necessary for accreditation. Consequently, the selected Ph.D. candidates will be allowed to enrol only further to the positive outcome of the assessment procedure.

## **Art. 2 (Admission requirements)**

1. Italian and foreign citizens are allowed to apply for admission in the Ph.D. programmes detailed in art.1, under condition that they submit the following required documents by the application deadline (**May 4, 2015**):

a) **Master Degree or other equivalent academic titles obtained abroad and recognized as valid.**

The existing call for admission is open only to those candidates who have obtained a **Master of Science degree in Italy, with a minimum grade of 95/110**, or to those who obtained a **foreign academic title recognized as valid** (as specified in paragraph 2) **and with the minimum GPA<sup>1</sup> indicated in annex 2, attached hereinafter.**

Applications are accepted **also** from those candidates who will be awarded a Master of Science degree by and no later than **October 31, 2015**. In this case, candidates will be admitted under condition that

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<sup>1</sup> GPA is determined

- In the case of Countries using ECTS credits system, by the weighted average of marks with credits for passed exams;
- In the case of Countries using Grade Point Average system and certification (GPA), by the value of the GPA;
- For all the remaining Countries, by the arithmetical average.



their GPA satisfies the minimum requirements established in annex 2 and that they are awarded a degree with a minimum grade of 95/110.

- b) one among the following **language certificates**, regardless of the date of obtainment:
- IELTS with a minimum score of 5.0;
  - TOEFL Internet-based Test with a minimum score of 77 or Computer-based Test with a minimum score of 210 or Paper-based Test with a minimum score of 547;
  - Cambridge ESOL examinations – General English exams with minimum level PET pass with merit

Alternatively, applicants may hand in a declaration proving that the candidate has been awarded a Bachelor and/or Master of Science degree in a University which provides courses in English, certifying that “The medium of instruction was English”.

The submission of a certification of English language knowledge is not mandatory for the citizens of those countries in which English is one of the official language.

Certificates other than those above listed will not be considered valid for the purpose of admission in the existing call.

It is possible to apply for a Ph.D. position within the existing call **also** for those candidates who will obtain a certification of English language knowledge **by and no later than the expiry of the deadline established for online enrolment in Ph.D. programmes (September 14, 2015)**. In this case, the candidates' admission is under condition that they deliver one of the abovementioned certificates (obtained by September 14, 2015) when handing in the required documents at Doctoral School (see art. 8, paragraph 5). The failure to do so shall entail the loss of the right to enrolment.

The failure to provide the required documents a) or b) shall lead to the exclusion of the candidate from the competition.

**2. Candidates with a title awarded by a foreign institution** may be admitted in a Ph.D. programme only if in possession of a II-level academic title, as defined in the Bologna process, or a Master Degree which would allow them to enrol in a Ph.D. programme in their Country of origin and has been awarded by an officially recognized academic institution.

The validity assessment of the titles awarded abroad shall be valid only for the purpose of the admission in the present call and be declared by a specific University commission.

In order to request for the validity assessment, the candidates shall attach to their application:

- II-level degree certificate<sup>2</sup> with grade, if available;
- Transcript with grades of exams passed during their II-level academic career;
- any other document deemed useful for the purpose of the validity assessment (i.e. diploma supplement, declaration of value).

The above mention documents shall be written by the issuing University in one of the following language: Italian, English, French, Portuguese or Spanish.

Candidates who have already obtained a declaration of equivalence of their foreign title, issued by an Italian University, shall attach a self-declaration to the application.

- 3. Concerning restrictions on admission to Ph.D. programmes**, it is provided that:
- if selected, those candidates already enrolled in a Ph.D. programme without scholarship shall be admitted in a different Ph.D. programme, further to the withdrawal from the previous Ph.D. programme and under condition that they start from the first year;
  - if selected, those candidates already enrolled in a Ph.D. programme with scholarship shall be admitted in a different Ph.D. programme without scholarship, further to the withdrawal from their career in the previous Ph.D. programme and under condition that they start from the first year;
  - if selected, those who have been previously enrolled in a Ph.D. programme are allowed to enrol in the first year of the same Ph.D. programme without scholarship;

<sup>2</sup> EU candidates who obtained their title abroad are allowed to submit a self-declaration (see the draft in annex 3)



- if selected, those candidates who have already been awarded the doctoral degree are allowed to enrol in another Ph.D. programme without scholarship.

Concerning the first three points hereinabove, it shall not be considered as enrolled those candidates who terminated their career by one month before the enrolment in the Ph.D. programme.

### **Art. 3 (Application procedure)**

1. **By May 4, 2015** the candidates shall submit a duly filled application request only via the official online procedure [Apply@polito.it](mailto:Apply@polito.it), accessible from the homepage of Politecnico di Torino website <http://www.polito.it> and from the page [http://dottorato.polito.it/en/call\\_for\\_admission](http://dottorato.polito.it/en/call_for_admission). Those in possession of or who will obtain a Master degree issued by Politecnico di Torino shall access the system via the Portale della Didattica (<https://idp.studenti.polito.it/idp/x509mixed-login>) using the login information already at their disposal (user: Snumber – password: date of birth, written “ggmmyyyy” or changed password).

**The deadline for application submission is peremptory; the failure to do so shall entail the loss of the right to taking part to the competition.** The applicant is the sole responsible for the verification of the correct completion of the submission procedure; no complaint on malfunctioning of the online procedure will be accepted.

Any communication addressing the candidates is sent only via email to the address indicated in the application.

2. The candidate shall attach to the application:

a) **Copy of a valid identification document (both sides) with picture and signature;**

b) **certificate or self-declaration (written using the draft available in annex 3) of:**

- **Bachelor degree (I-level title), with grade, date and place of award;**
- **Master degree (II-level title) or equivalent title, if already obtained, as required in art. 2, paragraph 1, point a), with grade, date and place of award;**
- **Transcript with grades of exams passed during their II-level academic career, with date and place of examination.**

In the event a candidate has obtained two or more II-level titles, the said candidate shall choose only one title for the purpose of the selection, selecting it in the section “Second level degree (Master degree) to be used for the evaluation requirements”.

The titles referring to other university careers shall be attached to the application in quality of “other documents”, as required in the following point h)

c) **certificate or self-declaration<sup>3</sup> (written using the draft available in annex 3) of English language knowledge, including score, date and place of obtainment (see art. 2, paragraph 1, point b), if already obtained**

d) **abstract of the Master thesis:** it shall be written in English and contain no more than 4.000 words (two pages).

e) **Short report on the candidate’s scientific research and reasons for undertaking the Ph.D. career:** it shall be written in English, have a maximum length of 2 pages (4.000 words) and outline research activities to be carried out in the concerned Ph.D. programme.

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<sup>3</sup> Extra-EU students may submit a self-declaration only to certify information and facts which can be verified by an Italian public Administration and only if in possession of a regular residence permit, which shall be attached to the self-declaration.



- f) **Name and email address of one professor from Politecnico di Torino and one professor from another Italian or foreign university**, who can be contacted by the selection board to acquire information relevant to the candidates' evaluation
- g) **Any GRE, GMAT or equivalent certificate with score**. GRE and GMAT certificates can be sent directly from the test provider to Politecnico di Torino, since the University has received ETS accreditation (please, select code 6994)
- h) **Any other document** which the candidate deems useful for the purpose of the selection (other I and II level titles, Diploma Supplement, awards, professional experience, publications, other documents useful for the issuance of the declaration of eligibility, etc...)

The documents listed at point b) shall be written by the issuing University in Italian, English, French, Portuguese or Spanish.

**The documents described at point d), e) shall all be written in English.**

**After the application has been submitted**, it will not be possible to upload any further document; therefore, in the case of candidates conditionally admitted in the competition, the Selection Board will evaluate the average grade<sup>4</sup> of exams passed during their university career, instead than the grade of their Master degree.

When checking the documents (see art. 8, paragraph 5), the Doctoral School will verify the obtainment of the title with the minimum grade required; the failure to comply with this requirement shall entail the loss of the right to taking part to the selection (see art. 2, paragraph 1, letter a).

**2. The candidate is required to pay a non-refundable amount of € 30,00 for each application in each Ph.D. programme.** The payment shall be made online via credit card (VISA, MasterCard) at the end of the application procedure;

**The application procedure shall be considered completed successfully only after the payment has been made**, following which the candidates will not be allowed to edit their application anymore.

#### **Art. 4 (Scholarships)**

1. The Ph.D. scholarship lasts one year and it is renewed every year under condition that the Ph.D. candidate has completed the activities required for the completion of the previous year, which will be verified by the Academic Board.
2. The gross annual amount of the scholarship is € 16.038,47. The Ph.D. scholarship recipients are not liable for local income and personal income tax (IRPEF); the scholarship is subject to the deduction of pension contributions, two third of which are charged at the expense of Politecnico di Torino and one third is covered by the boursary.
3. The amount of the scholarship shall be increase of 50% in occasion of mobility period spent abroad, up to a maximum of 18 months.
4. The Ph.D. candidate receiving the scholarship shall be exempted from the payment of tuition fees, except for a fix amount, as indicated in art. 10.

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<sup>4</sup> GPA is determined

- In the case of Countries using ECTS credits system, by the weighted average of marks with credits for passed exams;
- In the case of Countries using Grade Point Average system and certification (GPA), by the value of the GPA;
- For all the remaining Countries, by the arithmetical average.



#### **Art. 5**

##### **(Verification of admission requirements for the purpose of the competition)**

1. Further to the expiry of the deadline for application submission, a dedicated **University Board**, appointed by the Rector, shall verify that admission requirements indicated in art. 2 have been satisfied. The outcome of the assessment procedure will be published in the Doctoral School website at the following page [http://dottorato.polito.it/en/results\\_and\\_rankings](http://dottorato.polito.it/en/results_and_rankings)
2. Those candidates who do not satisfy the abovementioned requirements shall not be admitted to the evaluation procedure described in art. 6.

#### **Art. 6**

##### **(Assessment procedure)**

1. The applicants shall be assessed by **one Selection Board**, appointed by the Rector, **for each Ph.D. programme**. The Board shall comprise a minimum of three members, chosen among permanent professors and university researchers, competent in the relevant scientific field, and may comprise national and foreign experts, belonging to private and public, research and academic institutions.
2. The assessment procedure concerns the reasons, competences and expertise of the candidates, which can be inferred from the documentation attached to the application, as described in art. 3, and the interview.
3. In occasion of the interview, the Selection Board evaluates the titles and publications submitted by the candidates, their academic and professional curricula, their scientific and cultural interests, the possession of the basic knowledge necessary to enrol in the concerned Ph.D. programme and to carry out the research activity supported by the available bound scholarships, if any selected via the procedure [Apply@polito.it](mailto:Apply@polito.it) (see art. 1 paragraph 5). In order to allow candidates living abroad to take part to the selection procedures, the interview can be conducted remotely.

In the website of the Doctoral School, at the page <http://dottorato.polito.it/en/interviews> , the date, time and modality of the interview will be published at least 5 days prior to the date of the interview.

4. The candidates shall come to the interview taking with them a valid identification document
5. At the end of the interview, in compliance with the criteria established in the previous meeting, the Selection Board shall give a joint evaluation of each candidate and assign a score of maximum 100 point, for each of the following voices:
  - Titles (art. 3, paragraph 2, letter b, c, d, g, h): maximum 40 points (wherein the publications shall receive no more than 10 points and GRE up to maximum 5 points);
  - Report of the candidate on his/her scientific interests and reasons for undertaking the Ph.D. career (art. 3, paragraph 2, letter e) and any evaluation expressed by the professors indicated in the application (art. 3, paragraph 2, letter f): maximum 20 points;
  - Interview: maximum 40 points.

#### **Art. 7**

##### **(Ranking list)**

1. At the end of the procedure of comparative assessment, the Board shall draft the ranking list, in compliance with the score totalised by each candidate. In case of equal merit, the youngest candidate shall prevail.
2. Only those candidates who totalised a minimum score of 60/100 shall be assessed eligible for the admission in a Ph.D. programme.
3. Eligible candidates who have not yet obtained the II-level title (as detailed in art. 2, paragraph 1, point a) and/or those who have not yet submitted the English certificate (as provided for in art. 2, paragraph 1, letter b) shall be admitted conditionally. The failure to submit the required documents by the established deadlines, as outlined in art. 2, shall entail the loss of the right to enrolment.





4. Subsequently, the Selection Board shall allocate the Ph.D. scholarships to the selected candidates, in compliance with their position in the ranking list, their cultural-scientific interests and, if a bound scholarship was allocated, their competences in the relevant field.
5. The acts relating to the competition procedure and the ranking list for admission in the Ph.D. programme, indicating the allocation of any available scholarship, shall be approved by the Rector.
6. The said ranking lists, in which the candidates' name and surname, score, position and any allocated scholarship are announced, will be published online at the address [http://dottorato.polito.it/en/results\\_and\\_rankings](http://dottorato.polito.it/en/results_and_rankings) by **July 31<sup>st</sup>, 2015**. **No personal communications will be sent to the candidates: the online publication of the ranking lists and subsequent takeovers shall have the value of official statement.**

**Art. 8  
(Procedure of enrolment in Ph.D. programmes)**

1. Successful candidates shall proceed with online enrolment **from August 4, 2015 to September 14, 2015; the failure to enrol by the deadlines shall entail the loss of the right to enrolment**. Those candidates who do not complete the enrolment procedure by the deadlines and following the set modalities shall be considered as waiving their right to enrolment.
2. If shortlisted in more than one ranking list, the candidate shall choose only one Ph.D. programme. The choice, made by enrolling in the chosen Ph.D. programme, shall not be revocable.
3. Those candidates who have obtained a minimum score of 60/100 and intend to enrol within the number of reserved positions available in the call (art. 1, paragraph 8 and 10) shall contact the Doctoral School ([scudo@polito.it](mailto:scudo@polito.it)) by and no later than September 14, 2015, attaching to the email the documents proving their right to enrolment within the number of supernumerary positions.
4. In September, once the deadline for enrolment has expired, the list of positions and scholarships made available by those candidates who did not enrol/waived their right to enrol is published at the page [http://dottorato.polito.it/it/risultati\\_e\\_graduatorie](http://dottorato.polito.it/it/risultati_e_graduatorie), along with the names of candidates eligible to take over, in compliance with their position in the ranking list. **Only one takeover will be allowed.**
5. At the end of the online enrolment procedure, it is indicated the date and time when candidates are required to come to the Doctoral School in order to complete identification and document verification procedures. In that occasion, the following documents shall be delivered:
  - a) Form of enrolment in first year and summary of information provided in the application form (both can be downloaded from [Apply@polito.it](mailto:Apply@polito.it)), duly signed and filled;
  - b) Photocopy of a duly signed identification document;
  - c) Photocopy of social security number;
  - d) Original hard-copy of the certification of English language knowledge, obtained by September 14, 2015, as provided for in art. 2, paragraph 1, letter b);
  - e) Only for those candidates who obtained the II-level title abroad:
    - Original hard-copies of Master Degree certificate and transcript of exams with grades, written in one of the language listed in art. 2, paragraph 2;
  - f) Receipt of tuition fees' payment (see art. 10);
  - g) Only for those candidates who were awarded a II-level title by an Italian institution after the closure of the competition and by 31/10/2015 (see art. 2, paragraph 1, letter a):
    - Certificate or self-declaration (written using the draft in annex 3) of Master Degree award, with grade, date and place of obtainment.

The last date available to come to the Doctoral School to complete the identification and document verification procedures will be **November 6, 2015**.

5. The Administration reserves the right to verify the veracity of the documents and self-declarations submitted and to waive the candidate right to enrolment, if found them to be false or different.



**Art. 9  
(Ph.D. students' rights and duties)**

1. Enrolment in a Ph.D. programme involves an exclusive, full-time commitment. The Academic Board may authorise the Ph.D. student to carry out working activities, if not preventing them from performing their duties effectively, in compliance with the requirements of the Ph.D. programme.
2. Enrolment in a Ph.D. programme is not compatible with enrolment in other Ph.D. programmes at other universities or research centres in Italy and abroad (with the exception of dual degree agreements), nor with the enrolment in Bachelor and Master degrees, I-level and II-level specialization Master and/or Graduate schools.
3. At the end of each year the Ph.D. candidate shall submit a detailed report of the research activities carried out to the competent Academic Board, which shall assess the competence of the candidate and the credits obtained, deciding on his/her admissibility to the following year or, if enrolled in third year, to the final examination. If assessed negatively, the Ph.D. career of the concerned candidate shall be terminated.
4. Pursuant to art 16 and 20 of the Legislative Decree No. 151/2001 and subsequent amendments, in the event of a pregnancy, it is mandatory to suspend the Ph.D. candidate's career from two months before the date of the birth, up to three months after the said date, or from one month before the date of the birth to four months after the said date. During the suspension for maternity leave, the payment of the scholarship is suspended and the duration of the Ph.D. programme is extended of 5 months.
5. In compliance with the existing regulations, civil servants admitted in Ph.D. programmes are granted upon request a period of extraordinary study leave which, in compliance with the necessity of the public Administration concerned, shall be equal to the length of the Ph.D. programme. During this period no payment shall be made towards the civil servant, who however may apply for a Ph.D. scholarship. If admitted in a Ph.D. programme without scholarship, or if waiving his/her right to receive one, the civil servant under extraordinary study leave shall continue to receive payments, benefits and pension contributions by the concerned Administration, notwithstanding the recovery of the paid amounts, in case of voluntary departure after two years from the completion of the Ph.D. programme. The right to extraordinary study leave, with or without receiving economic treatment, is denied to those civil servants who have already obtained a Ph.D. degree, and to those who have been previously enrolled in a Ph.D. programme for at least one year, under the abovementioned leave.
6. Ph.D. students are required to comply with the dispositions contained in the University Community's Code of Ethics, available at the webpage:  
[http://www.swas.polito.it/services/docuff/Default.asp?id\\_documento\\_padre=10358](http://www.swas.polito.it/services/docuff/Default.asp?id_documento_padre=10358).

**Art. 10  
(Tuition and attendance fees)**

1. Ph.D. students shall pay tuition fees established by the University. Those receiving a Ph.D. scholarship shall be exempted from the payment of tuition fees, while they are required to pay an amount covering insurance, SIAE, stamp duty contributions and the EDISU right-to-study fees.
2. Ph.D. students are allowed to request for tuition fees' reduction and/or exemption from payment of regional fees, when fulfilling the requirements.
3. The amounts of fees, to which paragraph 1 makes reference, will be mentioned in the Tax Regulations for academic year 2015/2016, available on Politecnico di Torino website ([https://didattica.polito.it/tasse\\_riduzioni/](https://didattica.polito.it/tasse_riduzioni/)).



**Art. 11**

**(Ownership of industrial and intellectual property rights resulting from Ph.D. students' research activities)**

1. Unless otherwise provided for in agreements with outside parties, all the industrial and intellectual property rights resulting from activities, in which Ph.D. students have been involved in any way, are exclusive property of Politecnico di Torino.
2. Notwithstanding what provided for in the existing copyright legislation and the moral right of Ph.D. students who made the invention to be recognized as the inventors, Politecnico di Torino is the exclusive owner of the rights of an equity nature attached to the invention. In case property rights resulting from the invention generate proceeds, one-off compensations, to be defined on the basis of the students' contribution to the invention, is recognized to the PhD students.

**Art. 12**

**(Processing of personal data)**

1. Pursuant to the Legislative Decree No. 196/2003 and subsequent amendments, personal data provided by the candidates are collected by Politecnico di Torino and processed for the purpose of the management of the competition and the academic career of the selected candidates. Providing those data is mandatory for candidates taking part in the call for the purpose of their titles' assessment, under penalty of exclusion from the selection.
2. The said data will be used exclusively for internal handling; the data are provided to the different University offices without giving any further communication to the concerned candidate.

**Art. 13**

**(Governing Laws and Regulations)**

1. For matters not expressly provided for in the present call, relevant governing laws and regulations shall apply, in particular:
  - Ministerial Decree No. 45 of February 8, 2013;
  - Internal Regulations on Ph.D. programmes of Politecnico di Torino

The referenced documents are available on the Doctoral School website at the following page <http://dottorato.polito.it/en/legislation> .

2. The present call is published on the European website *Euraxess* and the website of Italian Ministry for Education, University and Research.
3. The official responsible for the procedure is the Head of Higher Education Services – Teaching Management Area at Politecnico di Torino.

Turin, 1<sup>st</sup> April 2015

**The Rector**  
(Prof. Marco Gilli)

CL/md



## **Annex 1**

### **Supernumerary positions reserved to students selected within specific international mobility programmes in which Politecnico di Torino is involved**

#### **European Programme: Erasmus Mundus (Action 1)**

##### **PROJECT SINCEM**

The project SINCEM is a Joint Ph.D. programme in Sustainable Industrial Chemistry offered by a consortium of 26 partner institutions (7 full partners and 19 associated institutions). The strong ties established by the consortium with companies operating in the sector are the cornerstones on which the programme is based.

The project is funded by the European Community under the programme Erasmus Mundus Action 1 and coordinated by University of Bologna (Italy). Politecnico di Torino is involved in the project in quality of full partner.

SINCEM goal is to enhance the establishment of collaborations among highly qualified research groups and industrial partners at European level, by providing general knowledge on science and technical tools for sustainable industrial chemistry.

Its mission is to turn into effective and innovative action the idea of green and sustainable chemistry.

SINCEM is open to **both European and Extra European students**.

Within this project, Politecnico di Torino reserves **1 position in the Ph.D. programme of Chemical Engineering**.



# **Marie Sklodowska Curie European Program Initial Training Networks**

**(Call identifier: H2020-MSCA-2014-ITN, Topic: MSCA-ITN-2014-ETN,  
Action: MSCA-ITN-ETN)**

**Project acronym: FULLCOMP; Grant agreement no. 642121**

**Project full title:**

## **Fully Integrated Analysis, Design, Manufacturing And Health-Monitoring of Composite Structures**

Composite structures are massively exploited in many engineering fields. For instance, the state-of-the-art civil aircraft (B787 and A350) are mostly made of composite materials. The design of composites leads to challenging tasks since those competencies that stemmed from the adoption of metallic materials are often inadequate for composites. Insights on many different disciplines and tight academic/industrial cooperation are required to fully exploit composite structure capabilities. The skills and the employability of young researchers increase to a great extent through an interdisciplinary and intersectoral training. The existing training schemes are often based on specific themes and disciplines rather than on a broad interdisciplinary and academic-industrial integrated approach. The main aim and novelty of this project is the creation of a multidisciplinary, intersectoral and international research training network based on a strong academic basis and industrial partnerships for a new generation of top talented young researchers that will work in the European academic and industrial scenarios. The full spectrum of the design of composite structures will be dealt with - manufacturing, health-monitoring, failure, modelling, multiscale approaches, testing, prognosis and prognostic - to develop integrated analysis tools.

In the frame of this project, the Politecnico di Torino shall reserve **5 positions for the PhD program in Mechanical Engineering**.



# **Marie Skłodowska- Curie Innovative Training Networks (ITN-ETN)**

**(Call identifier: MSCA-ITN-2014-ETN)**

**Project acronym: CoACH Grant agreement no.: 642557**

**Project full title:**

**Advanced glasses, Composites And Ceramics for High growth Industries**

The European Training Network (ETN) CoACH is an inter/multi-disciplinary and inter-sectorial programme as it includes 5 academic partners and 10 private companies, from seven different European countries. CoACH will promote international excellence in glass, ceramic and composite science and technology, modelling, design, characterization and commercialization of advanced glass, ceramic and composite based products.

The CoACH PhD researchers will benefit from direct access to state-of-the-art research equipment and expertise. They will be trained in creative, independent problem solving under time and resource constraints typical of a scientific and technical working environment in continuous contact with the industrial world. The CoACH ETN will provide training-through-research in: glasses and composites for HEALTH care industries; glasses, ceramics and composites for the ENERGY production and ICT industries; ENVIRONMENTALLY-friendly, low cost glass, ceramic and composite materials

In the frame of this project, the Politecnico di Torino shall reserve **5 positions for the PhD program in Materials Science and Technology.**



## Annex 2

COUNTRY	MINIMUM AVERAGE GRADE OF EXAMS
Albania	7/10 and higher
Argentina	5/10 and higher
Australia	65% and higher or 4/7 and higher
Austria	3 and lower
Bangladesh	50% and higher or GPA 2.5 and higher
Belgium (local grading system)	13/20 and higher
Bolivia	64/100 and higher
Bosnia Erzegovina	7/10 and higher
Brazil	6.5/10 or 65/100 and higher
Chile	4.5/7 and higher
China	65/100 and higher
Colombia	3.5/5 and higher
Cyprus	GPA 2.3 and higher
Croatia	3/5 and higher
Czech Republic	70% and higher or 2 and lower
Egypt	65/100
Ethiopia	2.5/4 and higher
European Countries (ECTS grading system)	C+ and higher
Finland	2/3 or 3/5 and higher
France (local grading system)	13/20 and higher
Germany (local grading system)	3 and lower on a scale (1-6)
Japan	70% and higher
Greece (local grading system)	5.5/10 and higher
Hong Kong	GPA 2.3 and higher
India	50% and higher or 4.5/7 and higher
Indonesia	2.5/4 and higher
Iran	14/20 and higher
Iraq	65/100 and higher
Italy	25/30 and higher
Jordan	70/100 and higher
Lebanon	13/20 and higher or GPA 2.5 and higher
Libya	65% and higher
Malaysia	2.33/4 (CGPA) and higher
Messico	7/10 and higher or 70/100 and higher
Morocco	13/20 and higher
Nepal	GPA 2.3 and higher
Nigeria	50/100 and higher
The Netherlands (local grading system)	6.5/10 and higher
Pakistan	GPA 2.5/4 and higher (other grading systems will be checked individually)
Palestine	75/100 and higher
Philippines	C+ and higher or 2.5 and lower
Portugal (local grading system)	15/20 and higher
Romania (local grading system)	8/10 and higher
Russian Federation	3.5/5 and higher
Saudi Arabia	75% and higher or GPA 2.3 and higher
South Africa	60% and higher
South Korea	70% and higher or 2.3/4.5 and higher
Spain (local grading system)	6.5/10 and higher
Switzerland	5.5/10 and higher
Syria	60% and higher
Thailand	2.5/4 and higher



Tunisia	C+ and higher or 10.5/15 and higher
Turkey	6/10 and higher (other grading systems will be checked individually)
United Kingdom (local grading system)	65% and higher
USA	GPA 2.3 and higher
Uzbekistan	70/100 and higher
Venezuela	13/20 and higher or 61% and higher
Vietnam	6/10 and higher

**For Countries not comprised in this table: the University Board shall evaluate the titles attached to the candidate's application and establish a minimum threshold for admission in the competition on the basis of the titles' evaluation.**

## Annex 3





# Self-Declaration

(art. 46 of Presidential Decree No. 445 of December 28, 2000)

The undersigned \_\_\_\_\_

social security number \_\_\_\_\_

place of birth \_\_\_\_\_ (\_\_\_\_\_) date of birth

\_\_\_\_\_/\_\_\_\_\_/\_\_\_\_\_, permanent address: street/square \_\_\_\_\_ No. \_\_\_\_\_ city

\_\_\_\_\_ (\_\_\_\_\_)

being aware that anyone making false declarations is punishable under the Italian Criminal Law and specific provisions on this matter, pursuant to art. 46 of Presidential Decree No. 445/2000

## DECLARES

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Date and Place, \_\_\_\_\_

\_\_\_\_\_  
Signature of Declarant  
(full and readable)

Pursuant to Legislative Decree No. 196/2003 and subsequent amendments, the information provided in the existing declaration shall be used for the purposes for which it was provided only.

