



Reg. no 153/2013 Ref. no 1071
 UOR DEIB
 Title III Class 15
 Milan, September 23th, 2013

NOTICE OF SELECTION FOR ASSIGNMENT OF GRANTS FOR TEMPORARY RESEARCH FELLOWSHIPS Reg. no 153/2013 Ref no 1071 Structure Ref. **Department of Electronics, Information and Bioengineering**

1. A public selection process is established to award **n. 1 grant** for temporary research fellowships pursuant to the "Regulations for assigning research grants for self-funded research programs" issued with Rectoral Decree No. 667/AG of 28 February 2011, as amended by the subsequent RD No. 2471/AG of 2 October 2012, for a period of eighteen months at the **Department of Electronics, Information and Bioengineering** within the scope of the research program called:

“Sensori e tecnologie per robotica chirurgica/ Sensors and technologies for surgical robotics”

2. The implementation procedures of said research program are set out in the attachment to this notice.

The proposing Professor, Head of the research program, is Prof. Giancarlo Ferrigno.

3. To participate in selection you must have a **Master of Science in Electronics Engineering, in Mechatronics Engineering, Mechanical Engineering, Computer Science Engineering, Automation Engineering, Biomedical Engineering; Computer Science or equivalent qualification** which must be accompanied by an appropriate scientific and professional curriculum demonstrating aptitude for research activities.

Should the Master have been obtained abroad, the course must have had a duration of at least four years and must be declared equivalent, solely for selection purposes, by the Head of the institution at which research is to be carried out. Similarly, should the Ph.D. have been obtained abroad, the course must have had a duration of at least three years and must be declared equivalent, solely for selection purposes, with the same procedure as for the Master of Science.

The candidate must possess the required qualification within the deadline specified in paragraph 4, under penalty of exclusion.

For selection purposes:

- academic qualifications obtained in Italy are declared directly in the application form (which also constitutes substitutive declaration pursuant to art. 46 of Presidential Decree 445/2000);
- all other qualifications, excluding publications, which the applicant deems useful for selection, must be submitted with substitutive notary deed declaration accompanied by a photocopy of a valid identity document pursuant to current regulations (Attachment A – forms section);
- academic qualifications obtained abroad shall be submitted in original copy or adequately certified;

- scientific publications (including graduation/PhD theses or, alternatively, the corresponding abstracts) must be submitted in original copy or copy authenticated by substitutive notary deed declaration accompanied by a photocopy of a valid identity document pursuant to current regulations (Attachment B – forms section).

Citizens from outside the EU, with regular stay in Italy, must attach copy of the residence permit regularly issued by the competent Authorities and currently valid or receipt of application for the residence permit. Should the candidate be successful in the selection, the residence permit (or receipt of application for the residence permit) must be submitted in original copy to the Visiting Professor Welcome Office no later than the date established for conclusion of the contract. Failure to submit the document will result in the automatic loss of entitlement to conclusion of the contract. For the purposes of selection, such candidates may use the substitutive declarations mentioned above (application form and attachments A and B), limited to the statuses, personal qualities and facts certifiable or ascertainable by Italian public entities, without prejudice to the special provisions contained in laws and regulations governing immigration and foreigner status.

Non-EU citizens resident in their country of origin at the time of application for selection, should they be successful in the same, must submit to the Visiting Professor Welcome Office the entry visa obtained following issue of the authorisation by the Prefecture, within the presumed start date of activities. Failure to submit the document will make it impossible to start activities. For selection purposes, such candidates cannot use the abovementioned substitutive certification or notary deed declarations but must submit qualifications in original copy or adequately certified and scientific publications (including graduation/PhD theses or, alternatively, the corresponding abstracts) in original copy.

4. The signed and dated application form, compiled following the scheme available on the Politecnico di Milano Website, should be addressed to the General Director of the Politecnico di Milano, P.zza L. da Vinci, 32 - 20133 Milan, sent via registered mail or hand delivered **within the final deadline of October 30th, 2013** (date), otherwise the applicant will be excluded. Should the aforementioned deadline fall on a public holiday, the same is postponed to the next working day.

The selection application will be deemed submitted within the deadline if sent by registered mail within the aforementioned deadline (for this purpose, the date of the post office postmark is valid).

It may also be delivered by hand, within the deadline indicated above, to the Postal Service, Protocol and Archive Section of the Politecnico di Milano, Piazza Leonardo da Vinci, 32 - Milan - Mondays to Fridays from 9.30 am to 12.30 pm and from 1.30 pm to 4 pm.

Applicants whose applications are submitted after the deadline will automatically be excluded from the selection process.

Applicants are admitted to the selection with reservation. The Head of the procedure may - at any time - exclude an applicant from the selection procedure by fax or registered mail or telegram, for the following reasons:

- submission of the application after the deadline pursuant to point 4 of the notice;
- failure to submit and sign the application;
- failure to sign the scientific and professional curriculum;
- missing attachments to the application pursuant to point 5, letters a), b) and c) of the notice;
- lack of requisites indicated in point 3 of the notice;
- any other case of violation of the provisions of the notice.

Should the reasons for exclusion be determined after completion of the selection process, the Head of the procedure decrees the loss of all rights deriving from participation in the selection procedure; similar loss of rights will be applied to applicants providing any false declarations in the application or declarations provided pursuant to Presidential Decree 445/2000.

In addition, candidates must pay within the expiry date, without the right to reimbursement in case of failure to participate for any reason, a contribution of 25.82 Euro on the current account at Branch 21 of the Banca Popolare di Sondrio, via Bonardi 4 – 20133 Milan, with the following bank coordinates:

IBAN CODE: IT34T0569601620000001600X69

in the name of the Politecnico di Milano - Piazza Leonardo da Vinci 32 - 20133 Milan, with the description: "Notice of selection for assignment of no. 153/2013 research grants dated September 23th 2013 Ref. No.1071, Department of Electronics, Information and Bioengineering".

5. The candidate must attach to the application:

- a) dated and signed scientific and professional curriculum;
- b) photocopy of a valid identity document: identity card, passport or driving license;
- c) the substitutive notary deed declaration concerning the qualifications deemed useful to demonstrate personal aptitude for carrying out research activity (Attachment A – forms);
- d) receipt of payment of the application fee;
- e) academic qualifications obtained abroad in original copy or adequately certified;
- f) scientific publications (including graduation/PhD theses or, alternatively, the corresponding abstracts) in original copy or copy authenticated by substitutive notary deed declaration (Attachment B - forms);
- g) detailed list of all attachments to the application (2 copies);
- h) copy of the residence permit (or receipt of application for the residence permit), only for non-EU citizens already in possession of the same.

Non-EU citizens, resident in their country of origin at the time of application for selection, must submit qualifications deemed useful to demonstrate personal aptitude for carrying out research activity, pursuant to point c) above, in original copy or adequately certified and scientific publications (including graduation/PhD theses or, alternatively, the corresponding abstracts), pursuant to point f) above, in original copy.

6. The interview aimed at ascertaining the candidate's aptitude for research will take place on November 18th at 2pm at the Department of Electronics, Information and Bioengineering on the Leonardo campus, via Colombo 40, Milano.

To be eligible for the interview, applicants must have one of the following valid identity documents: identity card, passport or driving license.

Failure to attend the interview on the date and time specified or being late, even due to force majeure, will give rise to exclusion from the selection procedure.

This notice also constitutes notification of calling.

7. This notice is published in the Official Register of the Politecnico and on the Politecnico, Ministry of Education and European Union Websites.

8. Selection is carried out by a special board, appointed by Directorial Decree, whose members are appointed by the Head of the Structure in question pursuant to article 4, paragraph 5 of the Regulations issued with Rectoral Decree No. 667/AG of 28 February 2011, as amended by the subsequent RD No. 2471/AG of 2 October 2012, selected among Professors or researchers with research experience on the issues pursuant to this notice.

9. The Board proceeds with selection, for which a total of 100 points are available, by examining the qualifications presented by the applicant and the interview, held with the procedures established by the board, according to the following criteria:

- possession of further academic qualifications other than those required to participate in the selection procedure, **points 5**;
- close relationship of the Master/Ph.D. thesis with the research program subject of the selection procedure, **points 5**;
- qualifications and publications on topics related to the research program, **points 20**;
- participation in research activities in Italy and abroad, post-doctoral research and specialisation abroad, related to the research program, **points 20**;
- interview to ascertain the applicant's aptitude for research, **points 50**.

The interview is passed with a minimum score of 7/10 or equivalent.

Should possession of a Master of Science be required to take part in the selection, possession of a PhD will constitute an advantage in assignment of grants.

In the case of a tie, preference is given to the younger candidate.

The ranking of successful candidates and those considered suitable for selection will be published in the Official Register and on the Website of the Politecnico di Milano.

10. The amount of the grant, covering the contract period (see point 1 of this notice), paid in monthly instalments in arrears, is **Euro 32.723,67 thirtytwothousandsevenhundredsandtwentythree/91** before deductions.

11. The research grant cannot be awarded to contracted staff, in the public and private sector, including part-time and temporary contracts.

12. The research grant cannot be awarded to those enrolled in undergraduate, Master, Ph.D. with scholarship or medical specialisation in Italy or abroad, and involves placement on unpaid leave for employee in service with public administrations other than those referred to in point 15 below.

13. Participation in selection is not allowed for relatives and kin up to and including the 4th degree of the:

- teaching staff of the Department/Campus which has issued this notice;
- Rector;
- General Director;
- Members of the Board of Directors.

14. Participation in selection is not allowed for those who have already signed contracts for research grants under article 22 of Law 240/2010 for four years except the period in which the

grant was received in connection with a Ph.D. without scholarship, up to the maximum extent of the legal duration of such course¹.

15. Permanent employees of Universities, research and experimentation institutes or public bodies, the National Institute for New Technologies, Energy and Sustainable Economic Development (ENEA), the Italian Space Agency (ASI) and institutions whose scientific specialisation qualifications have been recognized as equivalent to a Ph.D. pursuant to article 74, fourth paragraph, of Presidential Decree no. 382 of 11 July 1980, cannot participate in selection.

16. The temporary research fellow may carry out activities in favour of spin-offs pursuant to article 2 of Legislative Decree 297/99, with the approval of the research head.

17. The research grant cannot be combined with other scholarships, except those awarded by national or foreign institutes to supplement research activities of said temporary research fellows with permanence abroad.

18. The temporary research fellow may attend Ph.D. courses (including optional courses) without scholarship, subject to the passing of an entrance examination. Enrolment in Graduate Schools is not permitted.

19. The grant for carrying out research activities is governed by a specific individual contract.

20. The contract governs the cooperation agreement based on the following criteria: flexibility in meeting the needs of the activity, continuity, time allocation (not sporadic), coordination with the overall activities of the University in question, close relationship with the implementation of a research program, autonomous activity within the scope of the program and absence of pre-determined working hours.

21. The services of the cooperation agreement pursuant to this notice fall within the category of fixed-term contracts.

22. The research grant is subject, regarding income tax, to the provisions of article 4 of Law no. 476 of 13 August 1984 as well as, regarding social security, to those referred to in article 2, paragraphs 26 and following of Law no. 335 of 8 August 1995 and subsequent amendments, regarding compulsory maternity leave, to the provisions of the Ministry of Labour and Social Welfare Decree of 12 July 2007, published in the Official Gazette no. 247 of 23 October 2007 and, regarding sick leave, to article 1, paragraph 788, of Law no. 296 of 27 December 2006 and subsequent amendments. During the period of compulsory maternity leave, the benefits paid by INPS under article 5 of the aforementioned Decree of 12 July 2007 are supplemented by the Politecnico di Milano up to the full amount of the research grant.

23. Pursuant to Legislative Decree no.196 of 2003, as amended and supplemented, personal data provided by the candidate are processed exclusively in order to manage this call and collected at the Human Resources and Organisation Area of the Politecnico di Milano - Piazza Leonardo Da Vinci, 32 - Milan.

The same information may be communicated to public administration directly interested in the economic/legal position of the successful candidate.

Provision of such data is compulsory in order to evaluate participation requisites; failure to do so will result in exclusion from the selection procedure.

¹ This condition can only occur starting from 2015.

The interested party may exercise the rights pursuant to art. 13 of said law, including the right to access data regarding him/herself as well as certain complementary rights including the right to rectify, update, complete or cancel erroneous or incomplete data or data gathered in infringement with the law.

24. Pursuant to the provisions of art. 5 of Law 241 of 7 August 1990, as amended and supplemented, the person in charge of this call procedure is Ms. Maria Diletta Damin, Human Resources and Organisation Area - tel. 0223992582 – 0223992272 – 0223992259 – 0223992240 fax 0223992287

E-Mail: assegniricerca@polimi.it; maria.damin@polimi.it; silvia.dirusso@polimi.it; CarolinaOxmara.Sandoval@ceda.polimi.it; maddalena.valerio@polimi.it.

Milan, September 23th, 2013

The Head of Department
(prof. Gianantonio Magnani)
f.to Gianantonio Magnani

ATTACHMENT TO THE SELECTION NOTICE FOR THE AWARD OF GRANTS FOR RESEARCH ACTIVITY No. .153/2013 Ref no. 1071, 9/23/2013 of the Department of Electronics, Information and Bioengineering, date, issued pursuant to the "Regulations for assigning research grants for self-funded research programs" issued with Rectoral Decree No. 667/AG of 28 February 2011, as amended by the subsequent RD No. 2471/AG of 2 October 2012, for a period of eighteen (18) months at the Department of Electronics, Information and Bioengineering within the scope of the research program called: "Sensori e tecnologie per robotica chirurgica/ Sensors and technologies for surgical robotics."

EXPECTED START OF ACTIVITIES December 1st 2013

PROGRAMME IMPLEMENTATION PROCEDURES

The research programme will be implemented within the activities of the European project ACTIVE FP7 ICT 270460.

ACTIVITIES THE TEMPORARY RESEARCH FELLOW WILL CARRY OUT

The research fellow will take part to research and development activities at Neuroengineering and Medical Robotics Lab of the Department.

Research topics are:

- control systems for surgical robotics,
- design and implementation of innovative sensors and actuators for surgical robotics,
- ACTIVE system experimental setup,
- ACTIVE system experimental validation.

The Head of Department
of Electronics, Information
and Bioengineering
(prof. Gianantonio Magnani)
f.to Gianantonio Magnani