



POLITECNICO
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Index 2638

Registered on 15/06/2016

Ref. no. 46805 Pos. VII/1

Procedure code: 2638/POS_ENE11

UOR: Selections and Competitions Service

GIVEN Law No. 168, 09.05.1989 and in particular article 6, according to which Universities have regulatory autonomy and subsequent amendments;

CONSIDERING Legislative Decree No. 198, 11.04.2006 "Code of equal opportunities between men and women, under article 6 of Law No. 246, 28.11.2005, n. 246", as amended;

CONSIDERING Law No. 241, 07.08.1990 "New rules regarding the administrative procedure and the rights of access to administrative documents", as amended;

CONSIDERING Rectoral Decree No. 41/AG, 17.05.2005, by which the Regulations concerning the contribution for participation in both reserved internal calls and in calls organized by the Politecnico di Milano;

CONSIDERING Presidential Decree No. 445, 28.12.2000 "Consolidated text of laws and regulations relating to administrative documentation", as amended;

CONSIDERING Legislative Decree No. 196, 30.06.2003 on the protection of persons and other subjects regarding the processing of personal data as amended;

CONSIDERING Law No. 240, 30.12.2010 and in particular article 18;

CONSIDERING Ministerial Decree No. 236, 02.05.2011 concerning the definition of the tables of correspondence between the Italian and foreign academic positions pursuant to article 18, paragraph 1, letter b) of Law 240/2010;

CONSIDERING Decree Law No. 5, 09.02.2012 converted with amendments into Law No. 35, 04.04.2012;

CONSIDERING the Statute of the Politecnico di Milano, issued with Rectoral Decree no. 623/AG on 23/2/2012, published in the O.G., issue 52, published on 2/3/2012;

CONSIDERING Rectoral Decree No. 701/AG, 02.03.2012, by which the University Regulations were enacted for the discipline of full and associate professor calls pursuant to article 18 of Law 240/2010 as amended, and subsequent amendment of Rectoral Decrees No. 3134/AG of 03.12.2012, No. 2934 of 04.11.2013, No. 1336/SAGNI of 05.05.2014, No. 3452/SAGNI of 13.10.2014 and No. 2012/SAGNI of 30.04.2015;

CONSIDERING the resolution of the Department of Energy on 07/06/2016 by which the proposal is approved for a public call for n. 1 Full professor, for the call sector 09/C1 - FLUID MACHINERY, ENERGY SYSTEMS AND POWER GENERATION;

DECREES

Article 1 - Type of call

Selection procedures are held to cover 1 position of Full professor, by a call pursuant to article 18, paragraph 1 of Law 240/2010:

Department: Energy

Call Sector: 09/C1 - FLUID MACHINERY, ENERGY SYSTEMS AND POWER GENERATION

Scientific disciplinary sector: ING-IND/08 - FLUID MACHINERY

Maximum number of publications: 20

Type of teaching and scientific commitment:

The didactical commitment requires a broad experience in teaching, at university level, of arguments in the field of both Fluid Machines and Internal Combustion Engines, in Bachelor of Science and Master of Science courses offered in the study plan of Schools of Engineering.

The candidate shall exhibit an excellent scientific curriculum in the field of Internal Combustion Engines, especially in the area of numerical modeling of fuel injection process, combustion and pollutant formation. The research work of the candidate shall highlight a broad experience in the development and application of CFD (Computational Fluid Dynamics) codes to study the thermo-fluid dynamic processes in internal combustion engines. The previous candidate's activity shall demonstrate his ability in pursuing financial supports and in coordinating and leading research activities in the field of IC engines.

Foreign language required: English

Article 2 - Admission Requirements

Italian and foreign candidates who meet the following requirements are eligible to participate in the selection:

- a) scholars holding a national scientific qualification pursuant to article 16 of Law 240/2010 for the call sector or for one of the call sectors included in the same macro-sector, for the level and for the functions covered by the procedure;
- b) applicants who have the requisite qualifications pursuant to Law 210/1998 for the level corresponding to that of the call, limited to the period of its duration;
- c) professors already in service at other Universities at the level corresponding to that of the call;
- d) scholars regularly employed abroad in research or teaching at the university level in positions at the level corresponding to that of the call, based on the correspondence tables set out in Ministerial Decree of 02.05.2011, n. 236 and subsequent updates.

Those who, when submitting the application, have conjugal or family relationship or other degree of kinship or affinity up to the fourth degree, or are in a same-sex civil union (as

per art. 1 of Law No. 76 of 20.05.2016), or form a cohabiting couple (as per art. 1, paragraphs 37 et seq. of Law No. 76 of 20.05.2016) with a professor in the Department of Energy or with the Rector, the General Director or a member of the Board of Governors of the University, cannot participate in the call procedure.

The requirements to be eligible for selection shall be held on the date of the deadline of submission of the application.

Article 3 - Application and deadline for submission

To participate, applicants shall fill out the application form available on the website of the University and send it in an envelope indicating as follows:

"N. 1 Full professor position in the Department of Energy (procedure code 2638/POS_ENE11)"

The envelope with the signed and dated application for participation in the selection procedure, shall include all the documents required and considered useful for the selection and it may be:

- delivered personally to the "Servizio Posta, Protocollo e Archivio" - Piazza Leonardo da Vinci, 32 - 20133 Milan – only from Monday to Friday from 9:30 am to 12:30 am and from 1:30 pm to 4:00 pm,

or

- sent by registered letter with acknowledgement of receipt, express mail, courier or any other means to certify the date of sending by the specified deadline; for this purpose reference shall be made to the postal stamp;

- sent via italian Certified E-Mail to the PEC address pecateneo@cert.polimi.it using the applicant's italian certified e-mail address (PEC).

Submission is only allowed by means of PEC; applications submitted by a non-certified e-mail address shall not be considered valid.

The application and related annexes shall be submitted in non-modifiable portable document format (ex. pdf) that cannot contain macros or executable codes and that cannot exceed 35 MB in size.

within a deadline of thirty days, under penalty of exclusion, from the day following that of the publication in the Official Gazette of the notice of issue of the call herewith.

Applications received after the deadline shall automatically be excluded from the selection procedure.

If the deadline falls on a public holiday, it shall be extended to the following business day.

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

- submission of the application after the deadline of 30 days from the day following the publication in the Official Gazette of the notice of issue of the call herewith;
- failure to sign the application for admission;

- failure to include annexes to the application;
- failure to submit the scientific and professional curriculum composed in the English language;
- failure to meet the requirements mentioned in point 2 of the call;
- any other violation of the provisions of the call.

If the reasons for exclusion are determined after completion of the selection, the Head of the procedure shall forfeit any right consequent to participation in the selection; applicants shall be forfeited if they shall not provide true statements in the application for admission to the selection or in statements made pursuant to Presidential Decree 445/2000.

Exclusion shall be established by justified decree issued by the Rector.

Applicants are also required to pay by the deadline for submitting the application, under penalty of exclusion from the selection, a contribution without the right to a refund in the event of non-participation for whatever reason, of € 25.82 = to the bank account IBAN: IT 34 T 05696 01620 000001600X69 - Branch 21 of Banca Popolare di Sondrio, Via Bonardi, 4 - 20133 Milan payable to the Politecnico di Milano - Piazza L. Da Vinci, 32 - 20133 Milan - indicating:

"N. 1 Full professor position in the Department of Energy (procedure code 2638/POS_ENE11)"

In the application, the applicant shall clearly indicate name and surname, date and place of birth, tax code.

All applicants shall also state under their own responsibility:

- 1) their citizenship (Italians not belonging to the Republic of Italy shall be treated as Italian citizens);

or (for non-EU citizens)

- their citizenship and nationality;
 - civil and political rights in the Country of origin;
- 2) that they do not have a criminal record or conviction;
 - 3) Italian citizens: that they are registered to vote, specifying the City or the reasons for any non-registration or cancellation;
Foreign citizens: possession of civil and political rights in their country or the reasons for any lack thereof;
 - 4) their current position with regard to military service;
 - 5) that they have not been dismissed from the Public Administration for persistent poor performance and that they have not been dismissed from state employment, pursuant to article 127 letter d) of Presidential Decree 10.1.1957, n. 3;
 - 6) that they belong to one of the following categories:
 - scholars holding a national scientific qualification pursuant to article 16 of Law

240/2010 for the call sector or for one of the call sectors included in the same macro-sector, for the level and for the functions covered by the procedure;

- applicants who have the requisite qualifications pursuant to Law 210/1998 for the level corresponding to that of the call, limited to the period of its duration;
- professors already in service at other Universities at the level corresponding to that of the call;
- scholars regularly engaged abroad in research or teaching at university level in positions in the level corresponding to that of the call, based on the correspondence tables set out in Ministerial Decree of 02.05.2011, n. 236 and subsequent updates;

7) not to have conjugal nor family relationship or other degree of kinship or affinity up to the fourth degree, not to be in same-sex civil union (as per art. 1 of Law No. 76 of 20.05.2016) and not to form a cohabiting couple (as per art. 1, paragraphs 37 et seq. of Law No. 76 of 20.05.2016) with a professor in the Department of Energy or with the Rector, the General Director or a member of the Board of Governors of the University.

The application shall indicate the address chosen for the purpose of the procedure, as well as a telephone number and e-mail address.

Any changes shall be immediately notified to this University.

The Administration shall assume no liability arising from incorrect statements by applicants or any postal inconveniences.

Application shall include:

- curriculum, **in English**, of research and teaching activities signed and dated*;
- qualifications deemed useful for the selection with related list signed and dated*;
- numbered list, signed and dated, of the scientific publications presented, indicating the names of the authors, title, collection or volume and the reference year;
- photocopy of a valid identification document: identity card, passport or driving license;
- copy of the receipt of payment of the application fee;
- Only for candidates who participate in quality of scholars regularly employed abroad in research or teaching at the university level in positions at the level corresponding to that of the call: a certificate or declaration, issued by the University where they work, stating the position they fulfill¹.

**: Submission of the application and related documentation via Certified E-Mail is sufficient to ascertain regular signing on the date of sending.*

For the purpose of selection:

¹ The document should:

- be produced in English;
- state the qualification in the official language used by the University (e.g. if the applicant works in Spain as Full professor, the certificate must declare “Prof. Catedratico”).

- qualifications, excluding publications, that the candidate considers relevant for the selection, shall be provided with self-certification accompanied by a photocopy of an identification document valid under the current regulations (annex A);
- academic qualifications obtained abroad must be supplied in original or in suitably certified copies.

In order to guarantee the largest participation in the procedure, candidates who, when submitting their application, cannot provide the academic qualifications obtained abroad as specified above, have to attach to their application a photocopy of the same, together with a translation into Italian or English. In case they result winners of the selection procedure, they must compulsorily deliver the academic qualifications in original or adequately certified, no later than the deadline for entering the contract;

- scientific publications shall be submitted in original copy or in a copy certified by self-declaration affidavit, accompanied by a photocopy of an identification document valid under the current regulations (annex B).

If the application form and related annexes are delivered in person or sent by return registered mail, the envelope shall necessarily contain a digital copy (preferably in pdf format) on a CD or DVD of all documents submitted, including publications. The documentation submitted by means other than those provided by the call shall not be subject to evaluation.

Citizens of non-EU countries, regularly residing in Italy, shall include in the application a copy of valid residence permit duly issued by the competent Administration, or receipt of the request of the residence permit. If the applicant is called, the residence permit (or receipt of the request of the permit) shall be presented in original copy to the Visiting Professor Welcome Office no later than the date set for appointment to the role. Failure to submit the document shall result in automatic forfeiture of the right to the appointment. For the purpose of selection, applicants not belonging to the European Union who hold a residence permit may use the self-certification mentioned above (application form and annexes A and B), limited to the states, personal qualities and facts certifiable by Italian public entities, subject to the special provisions contained in the laws and regulations governing immigration and the status of foreign citizens.

Non-EU citizens resident in their country of origin at the time of the selection, if called, shall necessarily submit to the Visiting Professor Welcome Office the visa obtained consequently to the issue of the clearance of the prefecture, within the date of the expected start of service. Failure to submit the document shall result in impossibility to start the task. For the selection, such applicants may not use the self-certification mentioned above and they must provide qualifications in original or properly certified, and scientific publications (including thesis/doctorate paper or alternatively the corresponding abstracts) in original.

The Administration shall reserve the right to conduct random controls on the statements made.

It is not allowed to refer to documents already submitted/deposited for other selections at the Politecnico herewith.

The documentation submitted as an annex to the application form shall remain on record of this Administration.

Article 4 - Publications

Scientific publications which candidates intend to use for the purpose of selection, sequentially numbered according to the corresponding list, shall be sent in the maximum number specified, together with the application within the deadline pursuant to the previous article.

Publications which are not sent by registered post or delivered by hand or by courier within the deadline specified in the preceding paragraph cannot be considered by the Judging panel.

Candidates may submit publications in original, in certified copy or in photocopy attaching the self-declaration affidavit, completed using the scheme in Attachment B with which, pursuant to art. 47 of Presidential Decree 445/2000, conformity with the original of that submitted is certified and information concerning the author, title, place and date of publication and number of the work from which they are derived is provided.

Only publications or texts accepted for publication in accordance with current regulations, as well as essays included in collective works and articles published in journals either in paper or digital format, with the exception of internal memos or departmental reports, can be assessed.

For works printed abroad the date and place of publication shall be provided.

For works printed in Italy before 1.09.2006, the provisions of art. 1 of pre-Republic Legislative Decree 660 of 31.8.1945 and subsequently those provided by Law 106 of 15.4.2006 and by Presidential Decree 252 of 3.5.2006 shall be fulfilled. Fulfilment of the above obligations shall be certified by appropriate documentation, attached to the list of publications, or with a substitutive declaration made by the candidate under his/her own responsibility, pursuant to art. 47 of Presidential Decree 445 of 28.12.2000 (Attachment A).

Publications shall be submitted in their original language and translated into one of the following languages: Italian, French, English, German or Spanish. Translated texts may be submitted in typewritten copies together with the text printed in the original language.

Candidates participating in more than one selection shall send as many sets of publications, with attached list, as the number of selections in which they participate.

Article 5 - Composition of the Judging panel

The Judging panel for the selection, assigned by the Department Board that requested coverage of the position, is composed of two professors in an academic position equivalent to that of a full professor, according to Ministerial Decree 2.5.2011, n. 236 in service at foreign Universities and a full professor belonging to the roles of the Politecnico di Milano, in accordance with the provisions of article 5 of the current University regulations.

The appointment is arranged by Rectoral decree and is made public through the official register and the publication on the University website; from that date the 30-day period

begins for applicants to submit to the Rector any requests for challenge of Commissioners.

Article 6 - Duties of the Judging panels - Evaluation of Applicants - Criteria

In the first session, the Judging panel shall predetermine the evaluation criteria, giving priority to the requirements of the call.

The criteria are made public at least 7 days prior to the evaluation of qualifications and scientific documents and they are published on the University website (<http://www.polimi.it/lavora-con-noi/personale-docente/bandiperidocenti/>).

The Panel shall evaluate applicants admitted to the selection based on:

- a) the curriculum;
- b) scientific publications;
- c) teaching activity.

In the evaluation, the following criteria are considered:

- a) quality of scientific production, assessed on the basis of criteria and parameters recognized by the international scientific community of reference;
- b) teaching activities carried out in Italian or foreign Universities or bodies;
- c) scientific responsibility for funded research projects;
- d) consistency with the required profile.

Assessment criteria of the foreign language knowledge level: through the evaluation of the scientific publications submitted by the candidate.

The Commission may determine the degree of knowledge of the English language through an interview in person.

The date, place and time of the interview shall be notified to each applicant by registered letter with acknowledgement of receipt, not less than 15 days before the interview.

At the end of the work, on the basis of said criteria, the Commission shall draft, by a majority of the members, a ranking of the applicants selected to carry out the educational and scientific functions for which the selection has been called, equal to maximum five times the number of places available.

The Commission shall conclude its work within six months from the date of publication of the appointment decree of the Rector on the Official Notice Board.

The Rector may extend the deadline for the conclusion of the procedure only once and for two months at the most, for reasons reported by the Chairman of the Panel. Once the deadline for the completion of the work has expired, the Rector, with a justified decision, shall dissolve the Commission and appoint a replacement for the previous one. If the Rector shall identify irregularities in the conduct of the procedure, the documents shall be sent to the Commission with a justified decision, establishing a deadline to adopt any changes.

For each session of the Commission a special report shall be prepared, initialled and signed by all members, with related annexes.

Article 7 - Assessment of the regularity of the documents and call

The Rector shall ascertain the formal regularity by decree within sixty days from submission of the documents drawn up by the Commission. If defects of form are identified, the Rector shall resend the documents to the Judging panel for regularization within the aforementioned term with a justified decision.

The decree of approval of the documents, the final report and the list of qualified applicants shall be published on the University website.

Upon completion of the selection procedure, the Department Board, after consultation with the School requiring the task, shall propose to the Board of Directors, within two months from approval of the documents, the call of the first qualified applicant for the related decision. The proposed resolution shall be adopted by an absolute majority of full professors for the call for full professors, and an absolute majority of full and associates professors for the call for associate professors.

The selection procedure gives the right to be called to the Politecnico, while taking up the post will be subject to Ministerial constraints.

Article 8 - Head of the procedure

Pursuant to the provisions of article 5 of the Law of 7 August 1990, n. 241, the Head of the process referred to in the call herewith is Mr Enrico Eftimiadi, Human Resources and Organisation - Selections and Competitions Service, phone no +39 0223992156 - +39 0223992236, fax + 390223992104 - E-Mail: enrico.eftimiadi@polimi.it - concorsi@polimi.it.

Article 9 - Publication

The call herewith is published on the website of the Politecnico di Milano, on the website of the Ministry of Universities and Research (MIUR) and the Portal of the EU.

Article 10 - Final Provisions

Although not expressly provided in the call herewith, the provisions of the regulations mentioned in the preliminary remarks of this decree and the laws in force shall apply as applicable.

THE RECTOR
Prof. Giovanni Azzone