



**UNIVERSITÀ
DEGLI STUDI
DI BERGAMO**

Area
Risorse Umane

Gestione carriere
e concorsi
Docenti e ricercatori

Data that can be deduced from the registration in the protocol:
Repertoire Number, Protocol Number, Title,
Class File Attachments and References

CHANCELOR DECREE

PUBLIC SELECTION PROCEDURE FOR THE RECRUITMENT OF NO. 1 I LEVEL PROFESSOR BY CALL AS PER S. 18, PARAS 1, OF LAW NO. 240 OF 30.12.2010, FOR THE ACADEMIC RECRUITMENT FIELD 09/A1 - AERONAUTICAL AND AEROSPACE ENGINEERING AND NAVAL ARCHITECTURE - ACADEMIC DISCIPLINE ING-IND/06 - FLUID DYNAMICS AT THE DEPARTMENT OF ENGINEERING AND APPLIED SCIENCES OF THE UNIVERSITY OF BERGAMO - PICA CODE 23P0002

THE CHANCELLOR

HAVING CONSIDERED Law 7.8.1990, no. 241 as amended and supplemented;
HAVING CONSIDERED D.P.R. 28.12.2000, no. 445 "Consolidating act on legislative and regulatory dispositions in terms of administrative documents" as amended and supplemented;
HAVING CONSIDERED D.Lgs. 30.3.2001, no. 165 as amended and supplemented;
HAVING CONSIDERED Law 15.4.2004, no. 106 containing "Norms relating to the legal safekeeping of documents with cultural interest destined to public use";
HAVING CONSIDERED D.P.R. 3.5.2006, no. 252 "Regulations relating to the legal safekeeping of documents with cultural interest destined to public use";
HAVING CONSIDERED D.Lgs. 11.4.2006, no. 198 rules in terms of equal opportunities for men and women;
HAVING CONSIDERED Law 30.12.2010, no. 240 regulating "Norms in terms of organization of universities, of academic personnel and their recruitment, as well as mandate to the Government to subsidize quality and efficiency of academic systems";
HAVING CONSIDERED Law 12.11.2011, no. 183 (Financial Act 2012) and, especially, its s. 15 holding instructions in terms of certifications and sworn declarations/affidavit;
HAVING CONSIDERED D.M. 4.8.2011, no. 344 concerning "Disciplinary criteria, on the side of Athenaeums, for the evaluation of fixed-term researchers holding national scientific qualification, for the purpose of calls for the role of associated professor";
HAVING CONSIDERED Law 23.11.2012, no. 215 containing provisions in terms of equal opportunities in the composition of contest commissions at public bodies;
HAVING CONSIDERED D.L. 9.2.2012, no. 5 "Urgent dispositions in matter of simplification and development" later converted with amendments by Law 4.4.2012, no. 35;
HAVING CONSIDERED D.Lgs. 29.3.2012, no. 49 instructing the discipline for the organization, the monitoring and the evaluation of budgetary policies and recruitments at Athenaeums;
HAVING CONSIDERED the Ministerial Decree of 30 October 2015, No. 855 "Redefinition of group of academic recruitment fields and academic recruitment fields" and Ministerial Decree of 22 June 2016, No. 494 of rectification of Annex D of the Ministerial Decree 855/2016;
HAVING CONSIDERED EU Regulation 2016/679 and D.Lgs 30.6.2003, no. 196 "Code regarding the protection of personal data" and further modifications;
HAVING CONSIDERED the D.L. 29.10.2019 no. 126 published in the Official Gazette on 30.10.2019 on "Extraordinary necessity and urgency measures regarding the recruitment of school staff and research institutions and teachers' qualifications" converted with amendments by Law 20 December 2019, no. 159 (in the Official Gazette 28/12/2019, no. 303);



HAVING CONSIDERED the D.P.C.M. 25.07.2022 "Salary adjustment for non-contractual staff starting", published on Gazzetta Ufficiale no. 213 of 12.09.2022;

HAVING CONSIDERED the Statute of the University of Bergamo;

HAVING CONSIDERED the Athenaeum's Regulations determining the procedures for the call of the I and II level professors in accordance with Law 240/2010 dispositions, published with Chancellor's decree Rep. 505 of 6.11.2012 and amended, at last, with Chancellor Decree Rep. no. 336/2019 of 17.06.2019;

HAVING CONSIDERED the University regulations for research integrity and ethics, enacted with D.R. deed No. 387/2016 of 18 July 2016;

HAVING CONSIDERED The Athenaeum's Ethic Code published with Chancellor Decree protocol no. 14405/I/3 of 19.7.2011, as amended with Chancellor Decree Rep. no. 262/2018, of 12.04.2018;

HAVING CONSIDERED current legislation regulating the legal and economical status of academic and research staff at Universities;

HAVING CONSIDERED the requests for the covering of I level university professor position deliberated by the Department of Engineering and Applied Sciences (21.03.2023 session);

HAVING ACKNOWLEDGED that, with decision of the Board of Governors of 29.03.2023, upon favourable opinion expressed by the Academic Senate on its 27.03.2023 session, the planning of the position requested by the Department was approved and the issuance of an announcement for the recruitment by call, in compliance with s. 18, paras 1, of Law 30.12.2010, no. 240 was authorized;

HAVING ASCERTAINED the financial resources;

HEREBY DECREES

Section 1

Announcement of the selection procedure

The public selection procedure is released for the recruitment by call, in compliance with s. 18, paras 1, of Law 30.12.2010, no. 240 and with current Athenaeum Regulations, regarding the following position of I level Professor at the University of Bergamo:

➤ **DEPARTMENT OF ENGINEERING AND APPLIED SCIENCES**

Vacancies: no. 1

Group of academic recruitment fields: 09/A – Mechanical and Aerospace Engineering and Naval Architecture

Academic recruitment field: 09/A1 – Mechanical and Aerospace Engineering and Naval Architecture

Academic discipline: ING-IND/06 – Fluid Dynamics

Elements of didactic and scientific qualification:

- **Didactic qualification:** The candidate must have a proven experience in teaching in the field of Fluid Mechanics.
- **Scientific qualification:** The candidate must have recognized research experience in the field of physical and numerical modeling of compressible and incompressible flows, in laminar and turbulent flow regimes, targeting industrial applications. In particular, the following contributions will be appreciated: i) development of high-order accurate numerical methods and efficient implementation on high-performance parallel computing platforms; ii) development of accurate implicit time integration schemes and robust solution strategies for the simulation of challenging engineering flow problems.



The candidate must have participated in national and international research projects and must have had the scientific responsibility of research contracts in the industrial sector.

Specific functions required:

- **Didactic commitment:** The candidate will carry out teaching activities in the degree programs at the School of Engineering. In particular, he/she will carry out his/her teaching activities through lectures and laboratory activities in courses of the scientific sector ING-IND/06 within the Bachelor and Master degree programs (in the class L9, LM33 and LM21) of the School of Engineering (BSc and MSc Mechanical Engineering, BSc Engineering for Sustainable Energy and Environmental Technology, BSc Engineering of Technology for Health, MSc Medical Engineering).
- **Scientific commitment:** The candidate will carry out research activities within the ING-IND/06 scientific sector, with emphasis on further development of high-order accurate methods for the simulation of challenging flow phenomena, such as multicomponent fluid flows, fluid flows interacting with rigid and deformable bodies, high Reynolds number turbulent flows and pollutant dispersion.

Location: Dalmine

Maximum number of publications: 12

Language Expertise Scrutiny: English

Section 2

Requirements for attending the selection

The following subjects will be admitted to the selection procedure:

- a) candidates who achieved a national scientific qualification, in compliance with s. 16 of Law 240/2010 for the same examination sector or otherwise one of the examination sectors comprised in the same academic field and for the purpose of the procedure functions, or for higher functions provided they are not yet in possession of the same higher functions;
- b) candidates who achieved a I level university professor qualification, in accordance with Law no. 210/1998, limited to the validity period of the latter;
- c) professors in service at other Athenaeums at the same level of the announced selection;
- d) scholars permanently engaged abroad in university research or teaching activities having equal level as the one required by the announcement, based on the correlation tables defined by the Ministry (D.M. no. 662 dated 01.09.2016 and s.m.i.).

The following subject will not be admitted to the selection procedure:

- those who are excluded from enjoying civil and political rights;
- those who were removed or discharged from office by any Public Body for insufficient yield, or were dismissed from any other public engagement, in accordance with s. 127 para d) of D.P.R. 10.1.1957, no. 3;
- candidates having any relationship or kinship, up to and including three times removed relatives, either with a professor belonging to the Department issuing the call or with the Chancellor, the Director General and any member of the Board of Directors at the Athenaeum.

The requirements needed to obtain admission must be owned up to the deadline of the application submission period.

This Administration guarantees parity and equal opportunities to both men and women for access and treatment on the job.

Section 3

Disqualification from selection

The following reasons cause disqualification:

- failure to sign the application form;
- deficiency of admission requirements as per s. 2;
- failure to meet the deadline and procedures for submitting the application (including attachments and publications);



- sending a number of publications higher than the requested number.

The candidates may be admitted subject to verification in case of supplementary investigation requirements; in this case, they are asked to regularize their application within the terms peremptorily assigned.

The Administration may arrange, at any moment, the exclusion of candidates lacking one of the requirements needed for this announcement; the exclusion will be declared by Chancellor's decree and delivered to the person concerned by registered mail with return receipt or equivalent.

Section 4

Application procedure and submission deadline

Under penalty of exclusion applications for participation in the competition, along with the relevant qualifications held and the relevant scientific publications, shall be submitted online through the following online application procedure:

<https://pica.cineca.it/unibg/>

The candidate will be able to register and access the platform using the Public Digital Identity System (SPID - security level 2). In case the candidate does not have one, he or she can request it according to the procedure indicated on the website www.spid.gov.it. Alternatively, the candidate can register and log in using the credentials released directly by the PICA platform.

It is of utmost importance to provide a valid email address in order to enable the registration process on the electronic procedure.

Applicants shall upload all personal and professional data as requested by the application procedure; all documents must be uploaded in PDF format (.pdf). Each applicant can produce a maximum of no. 30 publications and a maximum of no. 10 other documents.

Failure to comply with the online application procedure will result in exclusion of the applicant.

Prior to final submission, and within the given deadline for applications submission, the online application procedure allows to modify and save the inserted information in a draft copy.

Confirmation of final submission date will be certified by an automatic notification email.

Submissions after the given deadlines will not be accepted by the system, as the online application procedure won't be accessible.

Each application will be given a registration number. For all further communications, the registration number shall be quoted along with the code of the competition.

The online application and submission procedure shall be completed **by the 10th of August 2023 until 12:00 (noon, Italian time).**

The submission of the online application must be completed and finalized:

- **no digital signature:** in this case the candidate have to download the pdf file of the application by the system; the PDF file shall not be modified in any way, It is to printed, signed in original, scanned in a pdf file and uploaded again on the website;
- **sign the application on the server using ConFirma service:** in order to sign digitally the application it is necessary to have an hardware (e.g. smart card or USB with digital signature certificate issued by an approved certification body) compatible with ConFirma service; after signing, applicants can download the signed pdf application;
- **sign the application digitally on your PC:** In order to sign digitally the application it is necessary to have an hardware (e.g. smart card or USB with digital signature certificate issued by an approved certification body) and a software for digital signatures in order to create a pdf.p7m file from the pdf file downloaded from this site. The pdf.p7m file must be uploaded in the website again;
- **In case of submission of the application through SPID,** it will not be necessary to sign the application form as it is automatically acquired by the procedure.



The application must contain all the required data by the system and must be signed and accompanied by a valid identification document of the candidate, under penalty of exclusion.

For any technical problems, contact support through the link available in the footer.

Section 5 Application form

The applicant, filling the application, must declare, under his/her own responsibility, pursuant to what provided for by Presidential Decree 445/2000 and following amendments and integrations, his first and last names, date and place of birth, tax code and address of residence; a mailing address, elected for the purpose of the application, must also be mentioned along with a phone contact and an electronic mail address, eventually PEC.

The candidate must also declare that he/she:

- a) his/her citizenship;
- b) enjoys civil and political rights;
- c) for Italian citizens: is listed in election rolls, specifying the municipality or eventually indicating the reasons why he is not listed or why he was removed from them; for foreign citizens (citizens of the European Union member States, or their families or citizens of third Countries as shown in the preceding letter) enjoys civil and political rights in the Country of citizenship or origin or else the reasons why he/she cannot enjoy them;
- d) was not removed or discharged from office by any Public Bodies on the basis of persistently insufficient yield, that is, was not dismissed from any public employment, as provided by s. 127, letter d) of the Presidential Decree (D.P.R.) 10.01.1957, no. 3;
- e) has not been found guilty of criminal offences and does not have any pending criminal proceedings, otherwise he/she must list such convictions indicating the details of all related judgements and any pending criminal proceedings;
- f) his position in terms of compulsory military service, only for Italian male citizens born within 1985.

In the application form, the candidate will also specifically indicate:

- a) to belong to one of the following categories:
 - Candidates who achieved a national scientific qualification, in compliance with s. 16 of Law 240/2010 for the same examination sector or otherwise one of the examination sectors comprised in the same academic field and for the purpose of the procedure functions, or for higher functions provided they are not yet in possession of the same higher functions;
 - Candidate achieved qualification for I level university associate professorship, in compliance with Law no. 210/1998 and limited to the validity of the latter;
 - Professors already holding positions in other Athenaeum at the same level as the one offered by this selection announcement;
 - Scholars permanently engaged abroad in in research or education activities at university level, thereby holding a position of a corresponding level to the one offered by this announcement, based on the correlation tables defined by the D.M. no. 662 dated 01.09.2016 and s.m.i.
- b) does not have any relationship or kinship, up to and including three times removed relatives, either with any professor belonging to the Department issuing the call or with the Chancellor, the Director General and any member of the Board of Directors at this University.

Candidates wishing to apply for several places, must submit separate applications and any attachments for each of them, taking care to indicate the selection code relating to the application of interest.



Any address changes must be promptly reported to the *Office Servizio Gestione risorse umane - Office Gestione giuridica e selezioni personale docente e ricercatore (Human Resources Management - Selections office and legal management for professors and researchers)*.

Candidates with non-Italian citizenships shall also have to declare to possess an adequate knowledge of the Italian language.

The following must be attached to the application form:

1. photocopy of a valid identification document;
2. *curriculum vitae* describing educational and scientific activity, dated and signed;
3. numbered list, dated and signed, of all produced scientific publications (Annex A);
4. publications and works that the candidate wishes to assert to the purpose of the procedure, numbered in progressive order matching the relating numbered list;
5. any independent-opinion cover letter (maximum three) signed by Italian or foreign experts, external to the University of Bergamo, about the scientific activity of the candidate;

The University Administration assumes no responsibility in case the addressee is unreachable or unavailable or in case of dispersion of notices caused by inaccurate indication of the mailing address on the candidate side or on cases of missed or late notice of changes in the mailing address mentioned in the application. Furthermore, the Administration cannot be held responsible for missed or late deliveries of notices related to the selection on grounds that are not attributable to the Administration itself, such as post or telegraph mishandlings, third-party faulty behaviour, fortuitous or force majeure events

The Administration reserves the right to proceed with suitable checks on the veracity of the contents shown in sworn declarations, as ruled by D.P.R. 445/2000.

We inform you that, as of 1st January 2012 in accordance with the dispositions of Law 183/2011, it is forbidden for public bodies and for public service overseers to request the exhibition or the submission of certificates issued by other public bodies in matters of personal status, features and facts. Therefore, the Athenaeum may not accept, nor request, any certificate in replacement of sworn declarations and affidavits, which must be submitted in substitution of such certificates (sample forms are available in Annexes C and D of this announcement).

The certificates issued by the bodies in charge of the foreign applicant's Country must be compliant with current regulations of that Country and, also, must be sworn before and certified by the Italian consulate in charge.

A translation into Italian must be attached to acts and documentation that are issued in foreign languages, after certification by an Italian diplomatic or consular delegation.

Referring to documents or publications previously surrendered to this or to other administrations or referring to any documentation attached to applications for other selections is not allowed.

Section 6 Publications

The scientific publications that the candidate wishes to enforce to the purposes of the comparative procedure, numbered in progressive order in accordance with the related list (cf. annex A), must be uploaded on IT platform with the application within the peremptory deadline fixed by s. 4.

The list must match the publications supplied to the purposes of the procedure.

Only publications and texts that are accepted for publication in accordance with current Laws are considered appreciable, as well as essays included in collectanea and articles issued in journals, either printed or in electronic form, with the exception of internal notes and departmental reports.

The publications or articles accepted for publication, by the deadline of the announcement, must be submitted together with the publisher's acceptance document.

The date and place of publication or, alternatively, an ISBN code or equivalent must appear for works printed abroad.



All works printed in Italy up to 1st September 2006 must meet the requirements provided by the Royal Lieutenant Legislative Decree of 31 August 1945 no. 660; as of 2nd September 2006 the requirements of Law 106/2006 and of D.P.R. 252/2006 must be met. The fulfilling of the above obligations must be certified by suitable documentation attached to the list of publications or by a sworn declaration issued by the candidate under his own responsibility as ruled by D.P.R. no. 445/2000.

Publications must be submitted in their original language form and translated into one of the following languages: Italian, English, French, German or Spanish. The translated texts can be supplied in typewritten form along with the printed text in the original language. For comparative evaluation procedures referring to linguistic subjects, the submission of publications will be accepted in the original language or in one of the languages for which the announcement is made, even if different from those shown in the preceding paragraph

Section 7

Commission of Evaluation

For each selective procedure, by chancellor decree, based on the proposal submitted by the department requesting contract activation, a Commission of Evaluation is nominated formed by three members chosen among I and II level professors, or equivalent level, belonging to the same academic recruitment field. For the composition and the modalities of the constitution of the Commission, is to refer to the current University Regulations on the subject.

The composition of the Commission is made official when published on the website of the Athenaeum of the chancellor decree designating the Commission. Candidates may elect to decline any of the commissioners within 10 days from the date of publication.

The Commission elects a President and a Secretary among its Members.

The Commissions operates in a collegial way, acquiring its own absolute majority decisions, and may avail itself of telecommunication devices.

Section 8

Selective procedure processing method

The Commission, upon its first assembly, after each member about declares the lack of incompatibility causes for his nomination and the lack of any conflicts of interest thereabout, foreordains the evaluation criteria for each *curriculum vitae*, scientific publications and research and teaching activities.

Such criteria shall have to be established in respect of internationally renowned quality standards, taking into account the guidelines established by D.M. 4.8.2011, no. 344 as well as any teaching and scientific qualification elements required by the Department and considered to be necessary for covering the position.

The adopted criteria will be rendered public by publishing them on the website's special section "*Concorsi e selezioni*" (Announcements and contests); after that, the Commission may proceed with its work.

The Commission states a motivated judgement on the *curriculum vitae*, on the scientific publications and on the teaching and research activity of each candidate; should there be a multiplicity of candidates, the evaluation procedure shall be executed with modalities that guarantee their comparison.

The Commission, at the end of their work, formulates a merit ranking and indicates the winner following the decision reached by the majority of the members, by selecting the best-qualified candidate qualified for the teaching and the scientific functions recalled by the announcement.

Section 9

Works of the Commission



The Commission completes its works within three months since the Chancellor's decree of appointment.

The Chancellor may extend, only once and for not more than one month, the deadline for the completion of the selection on the grounds of proven reasons pointed out by the President of the Commission.

If, after the deadline, the resulting acts are not produced, the Chancellor will proceed to dismiss the Commission and will nominate a new one in replacement.

Section 10

Verification of act regularity

The acts surrendered by the Commission are approved with Chancellor's decree within thirty days from delivery to the office in charge.

Should the Chancellor observe any irregularity in the acts relating to the procedure, he will return them to the Commission with a motivated provision, fixing a deadline for supplementary investigation. The deeds will be published on the Athenaeum's website.

Section 11

Call of the selected candidate

Once the procedure is complete, the Department Council proposes the selected candidate's call within 60 days from act approval.

The Department's proposal resolution is adopted according to the methods described in s. 12, paras 2, 3 and 4 of Athenaeum Regulations, ruling procedures for the call of I and II level professors in compliance with the provisions of Law 240/2010.

Section 12

Statutory rights, duties, compensation and welfare treatment

The statutory rights and duties of the professor are those provided by current law in terms of teaching staff legal status, and those contained in the current Ethic Code.

The professor is required to observe the provisions of the University regulations in force as regards the research integrity and ethics.

Compensation and welfare treatment are the ones owed to I level professors as provided by the laws regulating this subject.

Section 13

Handling of personal data

In accordance with articles 13 and 14 of Regulation (EU) 2016/679 (GDPR), on the protection of personal data, and with D. Lgs. no. 196 /2003 and subsequent amendments, it is made known that data is controlled and managed by the legal representative of the University of Bergamo, via Salvecchio 19, - 24129 Bergamo.

Data will be collected exclusively for the present bid purposes and will be kept only for the necessary time to complete the relevant procedures. The data treatment controller will be appointed within the managing unit in charge of bidding procedure, who will carry out the treatment with all due respect of propriety, legitimacy, scope, transparency and confidentiality of the treatment; and data will be used exclusively for purposes connected to the selection and to the possible contract drafting, as well as management of the following employment position, in compliance with current regulations. Data will be kept for the necessary time to accomplish the selection purposes, subject to the application of norms on document retention, and will be transferred uniquely to public administration bodies directly concerned with the juridical and economic position of the selected applicant, treated in compliance with current regulations and used for personal, welfare, insurance and fiscal position management. Data will be handled by appointed staff through the acquisition of printed and electronic documents and using, even digitalised, filing procedures, to guarantee confidentiality; data treatment will be



carried out through a coordinated organization and processing system, applying elevated safety standards. Furthermore, data will not be used for profiling. Applicants who have provided their personal data will be able to access it and exercise their rights as by art. 16 to 22 of GDPR UE 2016/679. Any safeguard request can be addressed to the University Data Protection Officer, who can be contacted through the university website (Privacy and Personal Data Protection section), e-mail dpo@unibg.it. In addition to the right of complaint which can be presented to the Italian Data Protection Authority, Piazza Venezia 11, 00187 Roma.

By presenting their application, candidates thereby authorise and fully consent to publication on the University institutional website of all information concerning the current bid, their own data and the contents of their CV in accordance with 111-bis of D.Lgs.196/2003 stating that, within the scope limits defined by art. 6, par. 1, letter b), of the Regulation, consent is not due for personal data present in a submitted CV.

Section 14 **Advertisement**

This announcement is published in the Gazzetta Ufficiale IV Special Series - Contests and exams, on the MIUR and European Union websites as per s. 18, para 1 letter a) of Law 240/2010 in form of notice and in the Official Register of the University of Bergamo.

The full contest announcement and any related forms will be published online at the University website <http://www.unibg.it> in the special section "*Concorsi e selezioni*" (*Announcements and Selections*).

The link to the announcement is also published on the Piattaforma Integrata Concorsi Atenei (PICA), at the following address: <https://pica.cineca.it/unibg/>, from which it will be possible to send the online application to the procedure.

Section 15 **Manager of the procedure**

The person in charge for the selection procedure in this announcement is Dr. Domenico Panetta, Manager in charge of Area risorse umane – Ufficio Gestione carriere e concorsi docenti e ricercatori, Palazzo Rezzara, viale Papa Giovanni XXIII, 106 - 24121 Bergamo, telephone 035 2052 876, electronic mail address: selezionipersonale@unibg.it

Section 16 **Final provisions**

Anything not explicitly provided by this announcement is ruled by Law 240/2010 as amended and supplemented and by University Regulations, in relation to procedure disciplines for calls of I and II level professors, as provided by the above-mentioned Law or by any other norm on the subject.

Bergamo, *as per protocol registration*

The Chancellor
(Prof. Sergio Cavalieri)
Documento firmato digitalmente
ai sensi dell'art. 24 del D. Lgs. 82/2005