



The official and legally binding of the call for application is the one in Italian.

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Rector's Decree no. */2025

*No. of the protocol registration reported in the metadata of the Titulus electronic protocol system

Subject: Selection procedure for the award of 1 research contract pursuant to Article 22 of Law 240/2010 – GSD 11/PHIL-02 LOGIC, HISTORY AND PHILOSOPHY OF SCIENCE AND TECHNOLOGY – SSD PHIL-02/A Logic and Philosophy of Science – Project FIS-2023-04053 “HUMATH” – CUP I53C24003170001 – Code: CR 2025_7_HUMATH

Published on the School Notice Board

Area: Human Resources, General Affairs and Services

U.O.: Human Resources Selection

THE RECTOR

HAVING REGARD TO Legislative Decree No. 165 of 30 March 2001: "General provisions on the organisation of work in the public administration" and subsequent amendments and additions;

HAVING REGARD TO Law No. 240 of 30 December 2010, as amended and supplemented, and in particular Article 22 of the Law as amended by Law No. 79/2022;

HAVING REGARD TO EU Regulation No. 679/2016 on the protection of natural persons with regard to the processing of personal data and on the free movement of such data;

HAVING REGARD TO Law No. 15 of 25 February 2022, Article 1, paragraph 28-quinquies, on the recognition of foreign qualifications;

HAVING REGARD TO the Statute of the IUSS Pavia University School issued by Rector's Decree No. 46 of 9 March 2022 and published in the Official Gazette of 30 March 2022;

HAVING REGARD TO the Code of Ethics and Conduct of the IUSS Pavia University School;

HAVING REGARD TO the Regulations for the Awarding of Research Contracts pursuant to Art. 22 of Law No. 240 of 30 December 2010 of the IUSS Pavia University School issued by Rector's Decree No. 195 of 28 March 2025;

HAVING REGARD TO the resolution of the Academic Senate meeting of 18 December 2024, which approved the 2025-2027 three-year plan;

HAVING REGARD TO the resolution of the Council of the Class of Human and Life Sciences held on 11 December 2025 approving the proposal to activate a research contract pursuant to Article 22 of Law No. 240/2010 – Scientific Disciplinary Group 11/PHIL-02 LOGIC, HISTORY AND PHILOSOPHY OF SCIENCE AND TECHNOLOGY, Scientific Disciplinary Sector PHIL-02/A Logic and Philosophy of Science;



HAVING REGARD TO the resolution of the Academic Senate of 17 December 2025 approving the activation of a research contract pursuant to Article 22 of Law No. 240/2010 – Scientific Disciplinary Group 11/PHIL-02 LOGIC, HISTORY AND PHILOSOPHY OF SCIENCE AND TECHNOLOGY, Scientific Disciplinary Sector PHIL-02/A Logic and Philosophy of Science, as mentioned above;

HAVING VERIFIED the availability of the financial resources necessary to cover the position provided for in the selection procedure for Project Code FIS-2023-04053 – Title “Humanizing Mathematical Knowledge: Fallibility, Technology, Know-How” (HUMATH) – PI Professor Silvia De Toffoli – Code U-GOV HUMATH_DETOffOLI_FIS2 – CUP I53C24003170001;

DECREES

Art. 1 – SUBJECT OF THE CALL

The IUSS University School of Pavia announces a selection procedure for the award of 1 research contract pursuant to Art. 22 of Law No. 240/2010, as specified in Annex 1, which forms an integral part of this call for applications.

Art. 2 – ACTIVITIES TO BE PERFORMED

The contract is exclusively for the performance of research activities within the specific research project, the implementation of which is a condition for the activation of the contract. These activities will be carried out under the supervision of a scientific supervisor, as specified in Annex 1.

For the purposes of reporting on the research project, the estimated quantification of annual activities is 1,500 hours per year. Contractors shall organise their work in consultation with their scientific supervisor in relation to the organisational aspects of the project. The performance of research activities must be self-certified and validated by the scientific supervisor. Where required, in order to verify the allocation of hours devoted to research activities carried out by the contractor, the School's integrated recording system may be used.

The project to be developed by each successful candidate and the scientific productivity objectives are set out in Annex 1.

Art. 3 – REQUIREMENTS FOR PARTICIPATION IN THE SELECTION PROCESS

Candidates, including those who are not citizens of European Union countries, may participate in the selection process if they hold a PhD or equivalent qualification obtained in Italy or abroad by the deadline date for the submission of applications.

Those enrolled in the final year of a PhD programme may also be admitted to the selection process, provided that they are expected to obtain their degree within six months from the date of publication of this call for applications in the School's official register.

In the case of a PhD obtained abroad, alternatively:

1) it is necessary to attach the decree of academic recognition (equivalence) with the title of PhD under the Italian university system issued pursuant to Article 2 of Law 148/2002 and Article 1, paragraph 28-quinquies of Law 15/2022. Pending the issue of the decree of academic recognition (equivalence), the receipt of



delivery of the application to the relevant bodies must be attached. The application for recognition of a PhD must be submitted, from 1 March 2022, in accordance with the provisions of Law 15 of 2022, to a university of your choice that offers a PhD in the same subject as that obtained abroad by the applicant. Information on procedures, deadlines, forms and documentation to be attached should be requested from the secretariat of the university to which you wish to submit your application and/or found by visiting the relevant website. For further information: <https://www.mur.gov.it/it/aree-tematiche/universita/equipollenze-equivalenza-ed-equiparazioni-tra-titoli-di-studio/titoli-0>;

2) pursuant to Article 38, paragraph 3 of Legislative Decree 165/2001, the recognition of foreign qualifications, which are officially valid in the country in which they were obtained, for the purposes of participation in public competitions for the recruitment of employees, with the exception of competitions for teaching staff in schools of all levels, shall be carried out by the Department of Public Administration of the Presidency of the Council of Ministers, subject to the approval of the Ministry of Education and Merit or the Ministry of University and Research. Candidates who hold a qualification obtained abroad shall be admitted with reserve to participate in the competitions referred to in the first sentence. The Department of Public Administration shall conclude the recognition procedure referred to in this paragraph only in respect of the successful candidates in the competition, who are required, under penalty of forfeiture, to submit an application for recognition to the Ministry of Universities and Research or the Ministry of Education and Merit within fifteen days of the publication of the final ranking. The forms are available on the MUR website: https://www.funzionepubblica.gov.it/media/d24ha0bd/modulo_domanda_titoli_accademici.pdf;

Declarations of Value issued by Italian diplomatic missions abroad do not correspond to the above-mentioned equivalence or equivalence and are therefore not admissible.

It should be noted that in the case of foreign qualifications that have not yet been recognised, candidates are admitted to the selection process with reservations and, if declared eligible at the end of the competition, the signing of the contract will be conditional upon the outcome of the recognition procedure for the aforementioned foreign qualification. Documentation proving the recognition (or equivalence) of the foreign qualification must be submitted to the IUSS School in the manner and within the time limits established when the successful candidate is called.

The following are not eligible to participate in this selection procedure:

- tenured teaching and research staff, hired on a permanent basis, even if they have left the service, of universities, public research bodies and institutions whose scientific specialisation diploma has been recognised as equivalent to a PhD in accordance with Article 74, paragraph 4, of Presidential Decree No. 382 of 11 July 1980;
- those who have benefited from fixed-term research contracts pursuant to Article 24 of Law 240/2010;
- those who are related or related by marriage up to and including the fourth degree to a professor belonging to the class proposing the contract or to the Rector, the Director General or a member of the Academic Senate.

Exclusion from the selection process due to failure to meet the requirements may be ordered at any time, even after the tests have been carried out, by means of a reasoned decree issued by the Rector and notified to the person concerned.



Art. 4 – METHOD AND DEADLINES FOR SUBMITTING APPLICATIONS

Applications to participate in the public selection process, as well as qualifications, documents and attachments deemed useful for the selection procedure, must be submitted electronically, under penalty of exclusion, using the dedicated IT platform at: <https://pica.cineca.it/iuss/>.

No other methods of submitting applications or documentation useful for participation in the procedure will be accepted.

The procedure for completing and submitting the application electronically must be completed no later than:

12:00 noon Europe/Rome on 9 January 2026.

After the expiry of the above deadline, no additional documents will be accepted, unless requested by the Administration.

The application can be accessed via SPID, selecting the IUSS Pavia University School from the list of available federations; alternatively, the application will require an email address in order to register with the system.

Candidates must enter all the data required to complete the application and attach the documents in electronic .PDF format.

The application form must be completed in full.

Until the application deadline, the procedure allows you to save the data entered in 'draft' mode, allowing you to modify and/or add to it. By the above deadline, the application for admission to the procedure must be completed in its final form and the date of electronic submission will be certified by the computer system by means of a special receipt that will be automatically sent by email. Once the application has been submitted and the confirmation email has been received, it will no longer be possible to access the application to modify it, but it can only be withdrawn by clicking on the Withdraw button on the home page (dashboard). If necessary, the candidate may submit a new application.

Once the deadline for submission has passed, the system will no longer allow access to and submission of the online application.

Each application will be assigned a numerical identifier, which must be specified in any communication relating to the procedure.

If you log in using SPID, no signature will be required when submitting your application. If you log in to the system using another method, the application for admission must be completed and finalised as follows:

- by digital signature, using a smart card, USB token or remote signature, which allow the holder to sign generic documents using signature software on a PC or a web portal for Remote Signatures made available by the Certifier. Those who have a smart card or USB token for digital signatures can check its compatibility with the digital signature system integrated into the server system. If the result is positive, the holder can sign the application directly on the server (e.g. ConFirma);
- Those who do not have compatible digital signature devices and Remote Digital Signature holders who have access to a portal for signing generic documents must save the PDF file generated by the system on their PC and, without modifying it in any way, sign it digitally in CAdES format: a file with the extension .p7m will be generated, which must be uploaded back to the system. Any changes made to the file before the Digital Signature is affixed will prevent automatic verification of the correspondence between the content of that document and the original, which will result in the application being rejected;



- if it is not possible to use either of the above options, candidates must save the PDF file generated by the system on their PC and, without making any changes, print it and sign it by hand on the last page of the printout. This document must be scanned and uploaded to the system in PDF format.

For technical problems, please contact support via the link at the bottom of the page <https://pica.cineca.it/iuss>.

Art. 5 – CONTENTS OF THE APPLICATION FORM

In the application form, candidates must:

- 1) select the procedure in which they intend to participate, defined by the relevant Class, Scientific Disciplinary Group and Scientific Disciplinary Sector;
- 2) declare, pursuant to Articles 46 and 47 of Presidential Decree 445 of 28/12/2000, that they assume responsibility for the truthfulness of the information provided in the application and that they are aware of the criminal penalties provided for in Articles 75 and 76 of the same decree;
- 3) declare that they have read the information on the processing of personal data and authorise the Data Controller and Data Processor to process personal data in accordance with the terms specified in the information notice.

Pursuant to Article 76 of Presidential Decree 445/2000, candidates must then declare, aware of the criminal liability in the event of false statements:

- 1) their personal details, place and date of birth, nationality, tax code, residence and address for the purposes of the competition (if different from their residence), specifying the postcode, telephone number, e-mail address and certified e-mail address, if any;
- 2) that they are registered on the electoral roll of their municipality of residence or country of residence, if different from Italy, or that they are not registered, indicating the reasons for non-registration or cancellation from the electoral roll;
- 3) possession of the qualification referred to in Article 3 of this notice, specifying the name of the qualification, the university where it was obtained, the final grade and the date of issue;

alternatively:

enrolment in the final year of a PhD programme with the qualification to be obtained by the deadline set out in Article 3 of this call for applications, specifying the name of the qualification, the university where the PhD programme is being attended, the year of enrolment and the expected date of completion of the qualification;

- 4) in the case of a qualification obtained abroad, equivalence of their qualification with the qualification required by the call for applications in accordance with the relevant legislation in force, or a commitment to submit an application for recognition of the foreign qualification, as provided for in Article 3 of this call for applications;
- 5) to be in full possession of their civil and political rights in their country of origin or provenance;
- 6) not to have been dismissed for disciplinary reasons, removed or dismissed from employment in public administration for persistent poor performance, or not to have been declared disqualified from government employment pursuant to Article 127, first paragraph, letter d) of Presidential Decree



10.01.1957, No. 3 and not to have been dismissed for having obtained employment by producing false documents or by fraudulent means;

- 7) not to be related by kinship or related by marriage up to and including the fourth degree to a professor belonging to the proposing Class or to the Rector, the Director General or a member of the Academic Senate;
- 8) not to be employed on a permanent basis by the institutions referred to in paragraph 1 of Article 22 of Law 240/2010 (universities, public research bodies and institutions whose scientific specialisation diploma has been recognised as equivalent to a PhD in accordance with Article 74, paragraph 4, of Presidential Decree No. 382 of 11 July 1980) and not to have benefited from fixed-term research contracts in accordance with Article 24 of Law 240 of 2010;
- 9) that they are not first or second level university professors or permanent researchers, even if they have ceased service;
- 10) their suitability for continuous and unconditional service in the position to which the selection refers;
- 11) that they are aware that the interview may take place online via a videoconferencing platform and that they have the tools indicated in Article 8 of the call for applications;
- 12) that they are aware that any changes to their personal data must be promptly communicated to selezione.hr@iusspavia.it;
- 13) that they are aware that if the educational qualification required for admission is obtained after the deadline set in the call for applications, they will forfeit their position in the ranking as well as their right to sign the contract;
- 14) to be aware that, if employed by a public administration other than those referred to in paragraph 1 of Article 22 of Law 240/2010, if successful, they must be placed on leave of absence or in a non-active position, without pay, from the date of actual entry into service and for the entire duration of the contract;
- 15) that they have no criminal convictions and no pending criminal proceedings, or any convictions, indicating the details of the relevant judgments (date of the measure and judicial authority that issued them), and any pending criminal proceedings against them. The existence of a previous criminal conviction is not in itself a barrier to recruitment, unless it is a conviction for an offence that prevents the establishment of an employment relationship with the public administration because it results in disqualification from public office, or the inability to contract with the public administration, or the termination of the employment relationship (Articles 28, 29, 32-ter, 32-quater, 32-quinquies of the Criminal Code, Articles 3, 4, 5, Law No. 97 of 27 March 2001). In other cases, the Administration shall independently assess the seriousness of the criminally relevant acts committed by the persons concerned for the purposes of access to public employment. This check is carried out with the aim of ascertaining the existence of the element of trust that constitutes the fundamental prerequisite of the relationship between employer and employee, as well as for the purpose of assessing the existence of the requirements of moral suitability and aptitude to perform the duties of a public employee;
- 16) to be/not to be or have been/not have been holders of a Research Contract pursuant to Article 22 of Law No. 240/2010, specifying the number of months already used at the date of completion of the application. Please note that, pursuant to Article 22, paragraph 2 of Law 240/2010, the total duration of



Research Contracts (including the duration of the contract referred to in this call for applications), even if entered into with different institutions, may not in any case exceed 5 years;

- 17) any diagnosis of SLD or recognition of disability pursuant to Law No. 104 of 5 February 1992, detailing the assistance required in order to support the public discussion with the Commission.

Candidates must attach the following to their application:

- 1) a copy of a valid identity document;
- 2) a dated and signed curriculum vitae attesting to their scientific and teaching activities;
- 3) any additional attachments deemed useful for the purposes of evaluation (e.g. list of publications, master's degrees, postgraduate courses, scholarships and research assignments, awards and recognitions for research activities, letters of reference, etc.);
- 4) project proposal relating to the research programme for which the position has been created. Any information useful for the presentation of the project proposal is provided in Annex 1.

If the project proposal and/or curriculum vitae are not attached, the candidate will be excluded from the preliminary comparative evaluation, as they will not be able to obtain the minimum score required to be admitted to the interview.

Art. 6 – EXCLUSION FROM THE SELECTION PROCESS

The following will result in automatic exclusion from the selection process:

- Failure to comply with the terms and conditions for submitting the application form;
- Failure to meet the requirements set out in Art. 3 of this notice.

All candidates are admitted to the selection process subject to verification of their actual possession of the requirements necessary to participate in the selection; the Administration may, at any time, even after the discussion has taken place, decide to exclude a candidate from the selection process. Exclusion is ordered by a reasoned decree of the Rector and is communicated to the person concerned at the e-mail address stated in the application as the official means of communication relating to this selection.

Art. 7 – SELECTION COMMITTEE

The Selection Committee is appointed by Rector's Decree and consists of three members, including one acting as Chair and one acting as Secretary, chosen from among the professors and researchers of the School or other institutions or from among Italian or foreign experts.

Art. 8 – SELECTION PROCEDURE

For the procedure referred to in this call for applications, candidates are evaluated through a comparative procedure based on qualifications and interviews, which aims to verify the relevance of the project proposals to the research project, as well as the candidates' scientific and professional background, which must be suitable for carrying out the research activities covered by the contract.

The final score is given by the sum of the score obtained in the evaluation of the project proposal and scientific-professional curriculum and that obtained in the interview. A maximum of 100 points can be awarded, of which a maximum of 70 points for the preliminary evaluation and a maximum of 30 points for the interview evaluation.

The Commission carries out the preliminary comparative evaluation on the basis of the following criteria:

- a) project proposal submitted by candidates:
 - a.1) consistency of the project proposal with the research project being selected, up to a maximum of 20 points;
 - a.2) clarity, completeness, feasibility and originality of the project proposal, up to a maximum of 20 points;
- b) scientific and professional curriculum vitae of the candidates:
 - b.1) relevance and significance of the qualifications obtained in relation to the research project being selected, up to a maximum of 10 points;
 - b.2) consistency and relevance of scientific output, as well as its congruence with the project covered by the call for applications, up to a maximum of 10 points;
 - b.3) relevance and significance of previous research activities in relation to the research project being selected, with particular reference to work carried out in the three years prior to the publication of the call for applications (e.g. scholarships and research assignments, awards and recognitions for research activities, any letters of reference produced by candidates, etc.), up to a maximum of 10 points.

The Commission shall collectively express a reasoned opinion and assign the relevant score for each individual evaluation criterion. Candidates who have obtained a score of at least 50/70 in the preliminary comparative evaluation shall be admitted to the oral interview.

Candidates must attend the interview on the date, at the place and at the time indicated in the forms attached to this notice (Annex 1). This communication shall serve as notification for all purposes.

The discussion with the Commission is conducted in public, including electronically, using audio and video teleconferencing via Zoom or Microsoft Teams (the workstation from which the tests are taken must be equipped with a webcam - essential for recognition - a microphone and headphones and/or speakers).

Failure to attend or connect electronically on the date and at the time of the interview will be considered a withdrawal from the selection process.

Candidates will be notified of their admission to the competition via the competition webpage on the School's website, where they will also be informed of the scores obtained in the preliminary assessment.

Candidates must bring a valid form of identification to the interview.

The interview is generally aimed at assessing the scientific maturity and preparation of the candidates, with particular reference to the project being selected.

The interview will be conducted in the language indicated in Annex 1. During the interview, candidates' knowledge of the foreign language indicated in the attachment to this call for applications (Annex 1) will also be assessed.

The interview is considered passed with a minimum score of 21/30.

The final score is given by the sum of the scores obtained in the evaluation of qualifications and in the interview.

The merit ranking, together with the identification of the winner of the selection, is approved by Decree of the Rector; it is immediately effective and is published on the notice board and on the School's website.

Art. 9 – FORMULATION OF THE RANKING

Once the interviews have been completed, the Commission draws up a merit ranking, taking into account the overall scores awarded to the candidates.

In the event of equal merit, preference is given to the younger candidate.

The merit ranking is approved by Decree of the Rector and published on the School's notice board and is valid for 6 months.

The deadline for any appeals shall run from the date of publication of the notice, unless the measure has been brought to the attention of the parties concerned in another manner. Placement in the merit ranking does not constitute grounds for subsequent selection procedures.

If a candidate who does not yet possess the required qualification for admission to the selection process is successful in the procedure, the research contract may only be signed after the candidate has obtained the required qualification, which must take place within six months of the date of publication of this call for applications, under penalty of forfeiture.

Candidates who are deemed eligible at the end of the procedure and do not yet possess the required qualification must obtain it within the same time frame, otherwise they will forfeit their position in the ranking.

Art. 10 – DOCUMENTATION REQUIRED FOR PARTICIPATION IN PUBLIC SELECTION PROCEDURES AND FOR RECRUITMENT

For the purposes of participation in public selection procedures, documents and qualifications in English, French, German and Spanish may be produced in the original language.

Documents and qualifications in other languages must be submitted in the original language with an Italian or English translation attached. The translation must be certified as conforming to the foreign text, drawn up by the competent diplomatic or consular representation or by an official translator.

With regard to the documentation required for recruitment purposes, documents and certificates written in a foreign language must be accompanied by a translation into Italian, certified as conforming to the foreign text, drawn up by the competent diplomatic or consular representative or by an official translator.

Art. 11 – SIGNING OF THE CONTRACT

Each successful candidate is invited to sign an individual contract for the establishment of a fixed-term employment relationship.

Recruitment is expected to take place by 1 March 2026 in accordance with the project reporting schedule.

The employment relationship is governed by the individual contract, the Regulations for the discipline of research contracts pursuant to Art. 22 of Law 240/2010 as amended by Law 79/2022, the provisions of law and EU regulations.

The individual contract specifies the grounds for termination of the contract and the notice periods. In any case, the cancellation of the recruitment procedure on which the contract is based is a condition for

termination of the contract, without the need for notice.

The probationary period lasts three months. Once this period has elapsed without the employment relationship being terminated by either party, the employee is considered to be confirmed in service and seniority is recognised from the date of recruitment for all purposes.

Employees of public administrations, other than those referred to in paragraph 1 of Article 22 of Law 240/2010, shall be placed on leave for the entire duration of the contract, without allowances or social security contributions, or in a non-active position in cases where such a position is provided for by the relevant regulations, also without allowances or social security contributions.

In the event of withdrawal or resignation of the successful candidate, the Class that requested the selection may request the conclusion of a research contract with a candidate who has been positively evaluated in the same selection process, following the descending order of the final score, provided that this score is higher than the threshold indicated in the call for applications.

The holder of the contract who is a non-EU citizen must, in order to be hired, be in possession of a valid residence permit for the purpose of working in Italy.

Art. 12 – EXTENSION AND RENEWAL OF THE CONTRACT

In the case of national, European and international research projects, a reasoned request for extension shall be submitted by the relevant Class Council, with the consent of the person concerned, after deliberating on the requirements relating to the objectives and type of project and the financial resources available, at least three months before the contract expires.

A reasoned request for a two-year renewal shall be submitted by the relevant Class Council that activated the contract, after deliberating on the requirements for the continuation of the research project and the financial availability, at least three months before the contract expiry date.

The extension and renewal are approved by the Academic Senate in a meeting prior to the expiry of the contract.

Extensions and renewals contribute to the maximum total duration of five years provided for in the contract.

During periods of compulsory maternity leave, contracts are suspended and the expiry date is extended for a period equal to that of the compulsory leave.

Art. 13 – RIGHTS AND DUTIES

Without prejudice to the rights and duties provided for in the Civil Code for employment relationships, upon signing the contract, the contractor assumes the right and obligation to carry out the activities referred to in Art. 2 and in Annex 1, undertaking to achieve the established objectives and produce the expected results in accordance with the project schedule.

The contractor shall carry out the agreed activities in compliance with the hierarchical structure of the relevant Class, with the obligation to coordinate their activities with the provisions of the research project.

The contractor shall carry out the required activity personally, without the use of substitutes, under the supervision of the scientific manager.

The research contractor is subject to the legal provisions on maternity, accident and sickness protection.

Research contractors are subject to the health checks provided for by Legislative Decree 81/2008, at the expense of the School.

Research contractors are required to comply with the provisions of the Regulations for the Protection and Enhancement of Industrial Property, the Regulations on Privacy and Data Processing, and the School's Code of Ethics and Conduct.

Research contracts do not give rise to the right of access to the role of public bodies referred to in paragraph 1 of Article 22 of Law 240/2010, nor can they be counted for the purposes of Article 20 of Legislative Decree No. 75 of 25 May 2017.

Art. 14 – REMUNERATION

Holders of research contracts are entitled, for the duration of the relationship, to an all-inclusive gross annual remuneration in accordance with Art. 22 of Law 240/2010. The remuneration is defined according to the maximum level equal to the initial remuneration due to a confirmed full-time researcher, i.e. € 39.224,29 gross annual remuneration. The gross annual remuneration is not subject to indexation or revaluation.

Art. 15 – PROCESSING OF PERSONAL DATA

Pursuant to the legislation on the protection of personal data (Legislative Decree 196/2003 and subsequent amendments and additions, as well as Art. 13 of Regulation (EU) 2016/679), the IUSS Pavia University School, in its capacity as Data Controller (with registered office in Piazza della Vittoria, 15, 27100 Pavia PV – certified email address direzione@pec-iusspavia.it) informs that the processing of personal data collected at the administrative offices of the IUSS School is aimed at carrying out the selection process and for the assignment and management of the position; This will be done in compliance with the conditions of lawfulness set out in Regulation (EU) 2016/679, by authorised personnel, using procedures that may also be computerised, in the manner and within the limits necessary to pursue the aforementioned purposes. The data will be processed in accordance with the principle of necessity of processing and will be stored in accordance with the rules on the storage of administrative documentation.

The provision of such data is necessary to assess the requirements for participation and the possession of qualifications, and failure to provide such data may preclude such assessment, resulting in exclusion from the procedure. The data may be communicated to public administrations directly interested in the legal and economic position of the positively evaluated candidate and to all those public entities to which, in the presence of the relevant conditions, communication is mandatory (certifying administrations when checking the substitute declarations made for the purposes of Presidential Decree 445/2000).

Data subjects have the right to obtain from the IUSS Pavia University School, in the cases provided for, access to personal data and the rectification or erasure of such data or the restriction of processing concerning them or to object to the processing (Articles 15 et seq. of the Regulation). The specific request must be submitted to the Data Controller. Further information is available at the following link: <https://www.iusspavia.it/it/protezione-dati-personali>.

Art. 16 – PROCESSING MANAGER

The person responsible for the selection procedure for this call for applications is the Head of Human Resources, General Affairs and Services, Dr. Francesca Barone.

For any information, please contact the Human Resources Selection Unit (tel. 0382/375858 and/or 0382/375866 and/or 0382/375833 – e-mail: selezione.hr@iusspavia.it).



Art. 17 – REFERENCE

For anything not expressly covered in this announcement, the provisions of the relevant legislation in force shall apply.

Pavia, date of registration

THE RECTOR

Prof. Mario Lloyd Virgilio Martina

(Document signed digitally in accordance with Legislative Decree 82/2005)



ANNEX 1

Call code: CR 2025_7_HUMATH

Human and Life Sciences Class

11/PHIL-02 LOGIC, HISTORY AND PHILOSOPHY OF SCIENCE AND TECHNOLOGY

PHIL-02/A Logic and Philosophy of Science

*DISCLAIMER: The English version is a translation of the Italian original for informational purposes only.
In case of any discrepancy, the Italian original shall prevail.*

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|---|---|
| <p>Titolo del progetto</p> <p>Humanizing Mathematical Knowledge: Fallibility, Technology, Know-How (HUMATH)</p> | <p>Title of the research project</p> <p>Humanizing Mathematical Knowledge: Fallibility, Technology, Know-How (HUMATH)</p> |
| <p>Numero dei posti per i quali viene bandita la procedura</p> <p>1</p> | <p>No. of positions</p> <p>1</p> |
| <p>Descrizione del progetto di ricerca</p> <p>Nel corso dell'ultimo secolo, la filosofia della matematica si è concentrata principalmente sulla ricerca di fondamenti logici e sulla giustificazione degli assiomi. Esistono tuttavia anche questioni filosofiche che riguardano il modo in cui agenti umani in carne e ossa praticano la matematica. È in questo terreno intermedio, difficile da circoscrivere, tra il regno astratto e ideale delle teorie matematiche e il mondo umano, complesso e imperfetto, abitato dai matematici, che si colloca il presente progetto. Dal nostro punto di vista contemporaneo, la correttezza di un argomento matematico è compresa in termini di formalizzabilità, e la giustificazione delle nostre credenze matematiche è ricondotta all'esistenza di dimostrazioni formali. Le dimostrazioni ordinarie, tuttavia, presentano lacune e includono diagrammi; esse sono quindi profondamente diverse dalle dimostrazioni formali. Qual è allora il rapporto tra dimostrazioni formali e dimostrazioni ordinarie? Quali sono le norme epistemiche che governano la pratica matematica? Le dimostrazioni possono includere diagrammi? I computer possono aiutarci a dimostrare nuovi risultati e, in tal caso, in che modo? Queste domande sono particolarmente urgenti, poiché la tecnologia sta rapidamente trasformando il modo in cui pratichiamo la matematica e le norme epistemiche che la regolano. Per essere affrontate in modo adeguato, esse richiedono una formazione sia filosofica sia matematica; ed è per questo che sono particolarmente adatta a occuparmene.</p> | <p>Description of the research project</p> <p>Over the last century, the philosophy of mathematics has been primarily focused on the quest to establish logical foundations and to justify axioms. But there are also philosophical issues that have to do with how living, breathing human agents practice mathematics. This is the elusive middle ground in which this project develops, between the perfect abstract realm of mathematical theories and the messy human world inhabited by mathematicians. From our contemporary perspective, the correctness of a mathematical argument is understood in terms of formalizability, and our justification in mathematical beliefs is cashed out in terms of formal proofs. Ordinary proofs, however, present gaps and include diagrams; they are dissimilar to formal proofs. What, then, is the relationship between formal and ordinary proofs? What are the epistemic norms governing mathematical practice? Can proofs include diagrams? Can computers help us prove new results, and if so, how? These questions are pressing because technology is rapidly changing the way in which we practice mathematics and the epistemic norms governing it. In order to be adequately addressed, they require training in philosophy as well as in mathematics – that is why I am ideally suited to tackle them.</p> <p>This project's primary goal is to provide a multifaceted theory of mathematical knowledge and justification that makes sense of how mathematical knowledge is produced and shared among human agents.</p> |



L'obiettivo principale di questo progetto è fornire una teoria articolata della conoscenza e della giustificazione matematica che renda conto di come la conoscenza matematica venga prodotta e condivisa tra agenti umani.

Per raggiungere questo obiettivo ambizioso, ho definito tre obiettivi di ricerca per il finanziamento FIS2:

1. Sviluppare una teoria fallibilista della giustificazione matematica che soddisfi vincoli di natura sociale.
2. Esplorare l'interdipendenza tra *knowledge-that* e *knowledge-how* in matematica, concentrandosi sull'uso di notazioni e diagrammi da parte dei matematici.
3. Analizzare i diversi ruoli che i computer svolgono nella ricerca matematica, con particolare attenzione agli *interactive proof assistants* e all'uso dell'AI generativa applicata alla matematica.

Questo progetto ha radici interdisciplinari, collocandosi all'intersezione tra filosofia e matematica. È inoltre rilevante per la didattica della matematica, le scienze cognitive e la sociologia. L'impatto sociale è significativo, poiché il progetto contribuirà a modificare l'immagine comune della matematica: mettere in luce il suo lato umano la rende più accessibile e più attraente per un pubblico più ampio.

To reach my ambitious goal, I have defined three research objectives for my FIS2 Grant:

1. *Develop a fallibilist theory of mathematical justification that satisfies social constraints.*
2. *Explore the interdependence between knowledge-that and knowledge-how in mathematics by focusing on how mathematicians use notations and diagrams.*
3. *Investigate the different roles that computers play in mathematical research, focusing on interactive proof assistants and generative AI applied to mathematics.*

This project has interdisciplinary roots: philosophy and mathematics. It is also relevant to mathematical education, cognitive sciences, and sociology. Moreover, the societal impact is substantial because it will contribute to changing the folk image of mathematics: unveiling the human side of mathematics makes it more accessible and more attractive.

Gruppo Scientifico Disciplinare

11/PHIL-02 LOGICA, STORIA E FILOSOFIA DELLE SCIENZE E DELLE TECNICHE

Academic Recruitment Group

11/PHIL-02 LOGIC, HISTORY AND PHILOSOPHY OF SCIENCE AND TECHNOLOGY

Settore Scientifico Disciplinare

PHIL-02/A Logica e filosofia della scienza

Subject area

PHIL-02/A Logic and Philosophy of Science

Durata del progetto e del contratto

Il progetto di ricerca durerà 36 mesi e la durata del contratto di ricerca è di 24 mesi, eventualmente rinnovabile di ulteriori 12 mesi.

Duration of the project and contract term

The research project will last 36 months, and the research contract will have a duration of 24 months, with the possibility of renewal for an additional 12 months.

Sede di svolgimento delle attività

IUSS Pavia, Palazzo del Broletto, Piazza della Vittoria n. 15, 27100 Pavia

Location of the research activities

IUSS Pavia, Palazzo del Broletto, Piazza della Vittoria n. 15, 27100 Pavia



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| Responsabile scientifico della ricerca (tutor) Prof.ssa Silvia De Toffoli | Principal Investigator (tutor) Professor Silvia De Toffoli |
| Attività di ricerca, obiettivi di produttività scientifica, caratteristiche qualitative della produzione scientifica <p>Oggetto della ricerca: il progetto si pone l'obiettivo di sviluppare la parte di filosofia della matematica generale del progetto HUMATH e in particolare di sviluppare una teoria della conoscenza matematica. La ricerca potrà in questo contesto riguardare inoltre un'analisi di come nozioni modali come sensitivity e safety possano essere applicate al caso della matematica e dei diversi tipi di evidenza che vengono usati nella pratica matematica contemporanea.</p> <p>Pubblicazioni inerenti ai temi del progetto, partecipazione a conferenze e convegni, supporto all'organizzazione delle attività e del gruppo di ricerca.</p> | Research activities, scientific productivity objectives, qualitative characteristics of scientific production <p>The project aims to develop the general philosophy-of-mathematics component of HUMATH, with particular attention to formulating a theory of mathematical knowledge. Within this framework, the research may also investigate how modal notions such as sensitivity and safety can be applied to mathematics and to the different kinds of evidence employed in contemporary mathematical practice.</p> <p>The position involves producing publications relevant to the project themes, participating in conferences and workshops, and supporting the organization of research activities and the work of the research group.</p> |
| Importo Lordo annuo percipiente € 39.224,29 | Annual Gross Amount € 39.224,29 |
| Copertura finanziaria Progetto Codice FIS-2023-04053 – Titolo “Humanizing Mathematical Knowledge: Fallibility, Technology, Know-How” (HUMATH) – PI Prof.ssa Silvia De Toffoli – Codice U-GOV HUMATH_DETTOFFOLI_FIS2 – CUP I53C24003170001 | Financial coverage Project Code FIS-2023-04053 – Title “Humanizing Mathematical Knowledge: Fallibility, Technology, Know-How” (HUMATH) – PI Professor Silvia De Toffoli – Code U-GOV HUMATH_DETTOFFOLI_FIS2 – CUP I53C24003170001 |
| Requisiti per partecipare alla selezione Dottorato di Ricerca o titolo equivalente | Admission requirements PhD or equivalent qualification |
| Profilo del ricercatore Esperienza in filosofia della matematica e epistemologia analitica (non specializzazione solo in logica). | Researcher's profile Experience in the philosophy of mathematics and analytic epistemology (not limited to specialization in logic). |
| Informazioni utili alla presentazione della proposta progettuale La proposta progettuale deve essere di massimo 3 pagine (bibliografia inclusa). Dovrà includere una sezione iniziale generale su come il profilo del candidato/della candidata potrà contribuire al progetto HUMATH. Dovrà includere inoltre una parte su un tema specifico sul quale la ricerca del candidato/della candidata potrà eventualmente focalizzarsi. | Useful indications for submitting the research proposal The project proposal must be no longer than three pages (including bibliography). It should begin with a general section explaining how the candidate's profile would contribute to the HUMATH project. It should also include a section outlining a specific topic on which the candidate's research could potentially focus. |



Prova orale

Il colloquio verterà su esperienze pregresse, curriculum e su come il candidato/la candidata potranno contribuire al progetto di ricerca HUMATH.

Si svolgerà da remoto in conference call.

Durante il colloquio sarà verificata l'adeguata conoscenza della lingua inglese.

L'intero colloquio si svolgerà in lingua inglese

Data colloquio: 3 febbraio 2026

Ora colloquio: 17:00

Da remoto al link:

<https://unipv-it.zoom.us/my/silvia.detoffoli>

Interview

The interview will focus on the candidate's previous experience, curriculum, and potential contribution to the HUMATH research project.

It will be conducted remotely via conference call.

During the interview, the candidate's proficiency in English will be assessed.

The entire interview will be held in English.

The entire interview will be conducted in English.

Interview date: 3 February 2026

Interview time: 17:00

Remotely at the link:

<https://unipv-it.zoom.us/my/silvia.detoffoli>