



**CALL FOR APPLICATIONS
FOR THE ASSIGNMENT OF A RESEARCH SCHOLARSHIP**

**(Approved by Department of Civil Engineering and Architecture's with Decree no. 162/2020
prot. n. 132839 del 10/11/2020)**

A public competition for the awarding of **1 research scholarship** according with art. 5, subparagraph 3 of the *Statuto* of the University of Pavia and with the "*Regolamento per l'istituzione e il conferimento di borse di studio per attività di ricerca*" issued with Rectoral Decree no. 86-2011 on January 18, 2011.

The research scholarship is designed for Italian or foreign candidates holding a Phd Degree in **Fisica** oppure in **Modellistica matematico-fisica per l'ingegneria** (Classi 20/S; LM17 e 50/S; LM44) (otherwise known as Physics and Mathematical-physics) or a foreign degree recognized as equivalent by the Examining Board.

During the selection procedure, **the following qualifications and skills will be assessed:**

- **PhD**
- **A master or doctorate in high performance computing**
- **Previous documented experience with analysis of large datasets, especially if images**

The research scholarship is assigned to undertake research on the following topic: "**Developing new HPC methods for bioengineering applications**" under the supervision of Prof. Pasqualini Francesco.

The research activity will be carried out at the Department of Civil Engineering and Architecture - Dicar and will be financed with funds made available by the Project "**Progetto SYN BIO.ECM_Prof._Pasqualini**" assigned to prof. Pasqualini Francesco

The grant has a **12** months duration.

The total amount of the research scholarship is € **21.600,00** and will be paid in monthly instalments.

The application, written on plain paper according with the specimen attached to this call, must be submitted to the following address in a single folder:

UNIVERSITÀ DEGLI STUDI DI PAVIA
DIRETTORE DEL DIPARTIMENTO DI DIPARTIMENTO DI INGEGNERIA CIVILE E ARCHITETTURA
VIA FERRATA, N. 3
27100 – PAVIA – ITALY

by 3/12/2020 at 12.00 p.m. (Italian time)

in one of the following ways:

- a) via recorded delivery;
- b) by hand to the Secretariat of Department of Civil Engineering and Architecture, Via Ferrata, no. 3 - 27100 Pavia - Italy, during the following times: from Monday to Friday, 09:00 - 12:00;
- c) by regular email: **dicar@unipv.it**;
- d)
- e) by Certified Email (PEC) to **amministrazione-centrale@certunipv.it** The PEC address must be held in the candidate's name. Otherwise, the candidate will be excluded from the selection. The form should be sent via PEC by 12.00 p.m. of the deadline. candidate's name.

Otherwise, the candidate will be excluded from the selection. The form should be sent via PEC by 12.00 p.m. of the deadline.

In terms of the deadline stated, **the stamp of the Department that receives the application (not the post office's) or date the PEC is sent, will be considered as valid.**

The application will have to include:

- a photocopy, not authenticated, of a **valid identity document**;
- a signed and dated professional **curriculum vitae**;
- a copy of a **certificate with an indication of the examinations taken, relative marks and course duration**;
- a copy of a **Master degree certificate** with indication of the final grade.

Selection of candidates is based on a joint comparative evaluation of the curriculum vitae with reference to the research activity to be carried out and the degree final mark. The Examining Board will assign the research scholarship, with unappealable decision and possibly after an interview, to the first candidate in the final ranking list.

The Department director will approve the documents and confer the research scholarship.

Within 5 days from the receipt of the letter of awarding, the winner will have to submit to the Director a declaration of acceptance of the scholarship.

If the winner does not accept the grant before the deadline, or accepts it but does not start the research on the date indicated in the letter of awarding, he will lose the right to the grant.

In case of duly justified delays due to serious health problems or to force majeure, not incompatible with the time course of the research, the grant will be paid starting from the effective start date of the research, without prejudice to the duration of the grant.

Should the grantee interrupt the research activity without justified reason, or be responsible for serious and repeated breach, he/she can be declared as dismissed.

The grantee will have to subscribe at his own expenses an insurance against injuries according with the University instructions.

The grant starts on the first day of the month following the date of the letter of awarding.

The grant cannot be combined with scholarships as described in Law 398/89 or with other scholarships assigned by the State or by other private or public bodies.

The performance of research activity funded with research grant is not equivalent in any way to an employment contract (full time or part time) or a self-employment.

The research activity will be suspended only in case of maternity leave or extended illness duly justified. During those periods, the payment of the research grant will be suspended. Grantees are supposed to inform the structure about those situations as soon as they are verified. After the suspension, the research activity must be continued until the end of the grant.

At the end of the grant, the grantee will have to submit to the Department a detailed report on the research undertaken, bearing prof. Pasqualini Francesco stamp.

In case of publication of the research results, the grantee will have to declare that the research has been carried out thanks to the funding obtained by the University of Pavia.

The grant can be renewed according with art. 4 and 14 of the "*Regolamento per l'istituzione e il conferimento di borse di studio per attività di ricerca*".

In case of renounce or non-acceptance of the grant by the winner, the grant will be assigned to the next person in the final ranking.

This call for applications will be posted on the University of Pavia online noticeboard: <http://www-5.unipv.it/alboufficiale/> and the Department's web page: <http://dicar.unipv.eu/site/home/dipartimento-trasparente/bandi-di-concorso/borse-di-ricerca.html>

Pavia, *(date of protocol)*

THE DIRECTOR
PROF. ALESSANDRO REALI
(Digitally Signed Document)