

## **Call for post-doctoral fellowships PNPd-CAPES in Mathematics at ICMC / USP in Sao Carlos, Brazil**

We would like to announce the opening of the selection process for two Postdoctoral positions, with grants from the National Postdoctoral Program (PNPD) of CAPES, for the Graduate Program in Mathematics of the Institute of Mathematical Sciences and Computation of the University of Sao Paulo (ICMC-USP), in Sao Carlos, State of São Paulo, Brazil (see [www.icmc.usp.br](http://www.icmc.usp.br)). The selection process is open to candidates from Brazil and abroad.

The monthly amount of the scholarship is R\$ 4,100.00 (in Brazilian currency BRL) and its duration is 12 months, and it can be renewed for up to 48 months in some cases. The effective date of the scholarship is September 1, 2018.

The research lines and researchers of the Graduate Program in Mathematics of the ICMC-USP are available in

<http://www.icmc.usp.br/pos-graduacao/ppgmat>

See also the (a little bit outdated) research catalog of ICMC (in English)

<http://conteudo.icmc.usp.br/Portal/Comunica/catalogo/en/en.pdf>

Here are the instructions for applying for scholarships. For more information, write to [ppgmat@icmc.usp.br](mailto:ppgmat@icmc.usp.br).

### **Instructions**

The applicant, in his/her application, must choose to apply in only one of the following two categories of scholarship. One grant will be awarded to each of the categories. See below how to apply for each category.

### **Category I**

In Category I we look for candidates in any area of Mathematics, not necessarily represented in our body of researchers, and who have great ability to adapt to new academic environments and develop research projects independently and productively.

In the evaluation of candidates of this category, a strong emphasis will be placed on the candidate's curriculum, in order to evaluate such aspects, such as proven results of previous research projects, published works or pre-publications with a single author or with co-authors other than their Ph.D. supervisors, etc.

We are also looking for a solid research project prepared by the candidate, which proves the candidate's ability to carry out the proposed schedule independently.

Applications for the grant in Category I can be made until June 7, 2018 and interested

candidates should send an email to [posgrad@icmc.usp.br](mailto:posgrad@icmc.usp.br) as described below:

1. The subject of the e-mail must contain "Application PNPD-2018-Mathematics-Category I".
2. The text of the email must contain i.) Full name of the candidate ii.) Name of the supervisor for your pos-doc iii.) "Category type: Category I".
3. The email must contain the candidate's attached PDF CV.
4. The email should contain an attached PDF research project. The first page should contain the name of the candidate and the information that the project is for application in Category I. The research project must be signed by the candidate and contain at least the following sections
  - i.) Introduction. An introduction as clear as possible to an no specialist in the field, describing a history of the problems in question, results in the literature and the importance of the research project for its study.
  - ii.) Project objectives. The project objectives should be listed.
  - iii.) Methodology. This section should prove the candidate's domain in the research area of the project, describing the methodology to achieve the proposed objectives.
  - iv.) Schedule. It should contain a realistic 12-month timeframe for the research project.
5. Indication of a researcher of the Graduate Program in Mathematics of the ICMC-USP to supervise the postdoctoral stage. Prior approval of the proposed supervisor is not required. The program may suggest another supervisor if the project is chosen, if we believe that he/she best fits the proposed project.

## **Category II**

In Category II we look for candidates with a research project in any area of Mathematics, but preferably represented within the interests of our body of researchers. The candidate should not necessarily demonstrate great experience in the development of research projects.

In this category the research project must have proven synergy with the interests of one of our permanent members of researchers. The project must demonstrate the contribution of both candidate and supervisor to the project.

In the evaluation of the candidates of this category will be considered with equal emphasis the candidate's curriculum, the research project and the supervisor's curriculo Lattes (a standard type of cv for brazilian researchers).

Applications can be made until June 7, 2018 and interested candidates should send an email to [posgrad@icmc.usp.br](mailto:posgrad@icmc.usp.br) as described below:

1. The subject of the e-mail must contain "Application PNPD-2018-Mathematics-Category II".

2. The text of the email must contain i.) Full name of the candidate ii.) Name of the supervisor iii.) "Category Type: Category II".

3. The email must contain the candidate's attached PDF CV.

4. The email should contain the attached PDF research project. The first page should contain the names of the supervisor and the information that the project is for application in Category II. The research project must be signed by the candidate and the proposed supervisor, who must be a permanent member of our program. The project should contain at least the following sections.

i.) Introduction. An introduction as clear as possible to an no specialist in the field, describing a history of the problems in question, previous results in the literature and the importance of the research project to its study.

ii.) Project objectives. The project objectives should be listed.

iii.) Methodology. This section should prove the candidate's domain in the research area of the project, describing the methodology to achieve the proposed objectives.

iv.) Synergy with the supervisor. Here should be clearly described how the development of the project could be benefited by the experience and academic capabilities of the proposed supervisor and its synergy with the candidate.

v.) Schedule. It should contain a realistic 12-month schedule for the development of the project.

5. Signed letter from the proposed supervisor in a PDF file, which must be a permanent member of the ICMC-USP Mathematics graduate program, declaring consent in supervising the applicant in case he / she obtains the scholarship.