



## **Internal call for the scholarship applications in Mathematics under the International Programme for Mathematics Sciences-Partial Differential Equations and Applications research grant (IPMS-PDEAAP)**

### **1. Background**

The International Science programme (ISP) Uppsala University started in 2002 its international Programme in the Mathematical Sciences (IPMS). One of its objectives is to strengthen research capacity in developing countries through postgraduate training, support to networks and research groups. ISP/IPMS is actively supporting networks in Africa and Asia.

In Africa we mention East Africa Universities Mathematics Programs (EAUMP) and PDE, Modelling and Control (West Africa). From 2017, network meetings for Sida-ISP funded PhD Students and Postdocs in Mathematics have been organized. In the 3<sup>rd</sup> network meeting (Entebbe, August 2018), 11 research groups had been formed. Among these groups Partial Differential Equations and Applications (PDEAAPP) was created. These groups were strengthened in the 4<sup>th</sup> meeting held in Bishoftu, Ethiopia, August 2019. The PDE group include members from the following universities: University of Rwanda (Rwanda), Busitema University (Uganda), University of Zambia (Zambia), University of Addis Ababa (Ethiopia), Makerere university (Uganda), University Joseph-Kizerbo (Burkina Faso), and Eduardo Mondlane University (Mozambique).

The overall goal of the research group is to strengthen research capacity in Partial Differential Equations and Application in Africa through research and publication.

### **Strategic objectives:**

- 1. To identify and formulate new research projects, to train research group members in research proposal grant writing.*
- 2. To support MSc and PhD students.*
- 3. To promote research collaboration North- South and South-South through research visits.*

To support these new created research groups, the IPMS called for 2021-2023 research grant proposals. The PDEAAPP applied and successfully granted for 2021-2022 (IPMS-PDEAAPP). This project is managed by the University of Rwanda, Department of Mathematics. One of the components of this grant is support to students.



## 2. Description

To respond to the above objectives, the Partial Differential Equations and Applications Research group through its research grant IPMS-PDEAAPP is pleased to call for application for partial support for the already admitted/registered PhD or MSc students in the mathematics programs at the following Universities: University Joseph Ki-Zerbo, University of Zambia, University of Rwanda, Busitema University, Makerere University, Addis Ababa University and Eduardo Mondlane University. The applicant must be interested in Partial Differential Equations and Applications and willing to write the PhD/ MSc thesis in the subject area or related areas. The applicant must also commit to integrate the research group. There are only two slots for PhD scholarship and 4 slots for MSc scholarship.

## 3. Funding

This Scholarship will cover only the tuition fees for two years (2021-2022) corresponding to the period of the grant. The Scholarship does not cover any other expenses and does not increase for the period for the program. At the end of year, the student will be evaluated as proficient follow-up according to the UR general academic regulations. The award is on yearly basis and subsequent funding is contingent on the performance in the previous year and on a progress report by the IPMS-PDEAAPP country coordinator and supervisor.

## 4. Application requirements

Application is open to candidates who:

### (a) For PhD Scholarship

- Have completed an ordinary MSc program and registered in PhD program in Mathematics at one of the mentioned Universities
- Having a research project in PDEs and Applications
- Have at most 40 years old for males and at most 45 years old for females.

### (b) MSc Scholarship

- Have completed a Bachelor program and registered in MSc program in Mathematics at one of the mentioned Universities
- Having a research project in PDEs/ODEs and Applications
- Have at most 40 years old for males and at most 45 years old for females.

## 5. Application file

The candidate should submit the following documents:

- A motivation letter addressed to the UR-CPGS





- Curriculum Vitae,
- A certified copy of master's degree and transcript for PhD Scholarship and a certified copy of bachelor's degree and transcript for MSc. Scholarship
- Two recommendation letters
- Copy of ID or Passport
- A report on any research carried out by the candidate

#### 6. Application procedure and deadline

The application will be online and sent to the UR-CPGS Scholarship officer: Mrs. GASHAYIJA UMULISA Gloriose, [ur-cpgscholarship@ur.ac.rw](mailto:ur-cpgscholarship@ur.ac.rw) with a copy to the IPMS-PDEAAP Coordinators, Email: [webanzi@gmail.com](mailto:webanzi@gmail.com) and [toureh8@yahoo.fr](mailto:toureh8@yahoo.fr).

The deadline for submission of the application with supporting documents is **02 August 2022**

#### 7. Selection Procedure

Shortlisted candidates will be called for interview.

**For more information, contact**

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Done in Kigali on 12/07/ 2022



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