



United Nations
Educational, Scientific and
Cultural Organization



ICTP - East African Institute
for Fundamental Research
under the auspices of UNESCO



PhD Physics Admission at EAIFR: 2019 first call

Background

At the ICTP East African Institute for Fundamental Research (EAIFR), the focus is on carrying out research and making discoveries for African development and advancement, while investing equal energy into training others to do the same through our MSc and PhD programmes as well as the many short courses and workshops that we hold throughout the year. Our resident scientific staff members are dynamic scientists who are very active in the international scene in their respective fields. Senior scientists from ICTP-Trieste and other parts of the world are also involved in the teaching and training of students in all our programmes and at all levels. EAIFR is a partner institute of the International Center for Theoretical Physics (ICTP) in Trieste, Italy. It has been set up by the Government of Rwanda through the Rwandan Ministry of Education (MINEDUC) as a Category 2 UNESCO Institute. EAIFR is hosted by the University of Rwanda (UR).

PhD programme

The PhD programme at EAIFR is in physics, with research specialization in one of the following broad areas:

- 1) High Energy Physics
- 2) Condensed Matter Physics
- 3) Solid Earth Geophysics
- 4)

Admitted students will be taught and supervised by EAIFR resident scientists and co-supervised by scientists at ICTP Trieste and possibly others around the world based upon mutual interests and the research proposal of the students. Our High Energy Physics scientists work in cosmology and particle physics phenomenology, Condensed Matter Physics is mainly in electronic structure theory while Geophysics will be centered around seismology, space geodesy and tectonics.

Female candidates are particularly encouraged to apply; EAIFR is a collaborating Institute with the Organization for Women in Science in Developing countries (OWSD) and female candidates can apply for the OWSD PhD fellowships. See: <https://owsd.net/ictp-east-african-institute-fundamental-research> and <https://owsd.net/career-development/phd-fellowship>

Duration of the PhD Programme : Maximum time duration of four years.

Mode of attendance

The PhD programme is completed through in-depth research that breaks new ground in the field and contributes to overall scientific knowledge. Research publications are expected from students as well as a final dissertation thesis before graduation.

ICTP-EAIFR, KIST2 Building, Nyarugenge Campus, University of Rwanda, Kigali, Rwanda

www.eaifr.org * info@eaifr.org

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Funding

A limited number of scholarships and/or assistantships are available to top students admitted into the programme.

Scholarships may also be obtained through funding agencies.

Rwandan students are encouraged to apply to the Rwandan Higher Education Council (HEC) for funding: hec.gov.rw

The University fee structure is downloadable from the University of Rwanda's website:

<http://ur.ac.rw/sites/default/files/Postgraduate%20fees%20amended%20by%20SMC%20on%2016th%20February%202017.pdf#overlay-context=node/17%3Fq%3Dnode/17>

Key dates

- Application deadline: 30 June, 2019 (Note: Female candidates applying for the OWSD fellowships need to send in their PhD applications before the 24th of May, 2019).
- Deadline for notification of selection: 31 August 2019
- Registration and commencement of research: 1 October 2019

Minimum qualifications

- Bachelor's degree with honors in physics, mathematics, or a related field, with distinction (cumulative grade point average of at least 70%).
- Master's degree in physics, mathematics, or a related field.
- It is advisable for applicants to contact the EAIFR scientific staff in order to find areas of common interest for PhD research. The research interests of our staff can be found here: <https://eaifr.org>
- Selection of candidates will be based on their university record and on academic recommendations.

Required documents

- Copies of degree, academic transcripts and certificates (in English). Note that successful applicants will need to supply notarized copies of these documents upon admission.
- Documents that show that the students can follow instructions in the English language.
- Contact details of two referees who can make comprehensive comments about the applicant's abilities, past studies, and work.
- Updated CV and ID or Passport copy
- A proposal of the intended PhD research.
- Proof of payment of the admission fee ((10,000 FRW for Rwandan and EAC candidates and 12000 FRW for International Student non-refundable)

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How to apply

1. Go to UR CPGS Webpage (www.postgraduate.ur.ac.rw) by clicking on the link UR Center Postgraduate Studies on UR Website (www.ur.ac.rw)
2. Go to Students Portal and click to (New Application)
3. Fill the **Biographical Form** and click (**Save**) at the end you will get “**Your Student ID Reference Number**”.
4. Please keep this ID Number as it will be your ID identification for your study and all transactions at UR
5. Go to the Bank and pay your application fees using your create student ID Reference Number (10,000 FRW for Rwandan and EAC candidates and 12000 FRW for International Student)
6. Candidates are requested to submit a **soft copy in PDF format as one document (merging all the listed documents in a single file) to the following link : <https://e-applications.ictp.it/applicant/login/9009>** for the ICTP East African Institute for Fundamental Research with a copy to admissions.pgs@ur.ac.rw (please make sure that the name of the folder is our ID reference Number)

COLLEGE ACCOUNTS TO BE USED DURING APPLICATION

NAME OF ACCOUNTS	ACCOUNT NUMBER	BANK NAME
UR COLLEGE OF SCIENCE AND TECHNOLOGY	00094-00651935-36	BANK OF KIGALI

SWIFT CODE: BKIGRWRW

NB: APPLICANTS SHOULD USE THEIR ID NUMBERS AND THEIR FULL NAMES DURING APPLICATION

Done at Kigali, May 27th, 2019



Dr NTVUGURUZWA Celestin

Acting. Director of University of Rwanda Centre for Postgraduate Studies

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