



United Nations
Educational, Scientific and
Cultural Organization



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



2020 PhD Physics Admission For Women at EAI FR

Background

At the ICTP East African Institute for Fundamental Research (EAI FR), 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. EAI FR 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. EAI FR is hosted by the University of Rwanda (UR).

EAI FR 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>

The deadline for applying for this year's OWSD fellowship is March 31, 2020, as indicated on their website.

PhD programme

The PhD programme at EAI FR 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

Admitted students will be taught and supervised by EAI FR 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.

Duration of the PhD Programme

ICTP-EAI FR, KIST2 Building, Nyarugenge Campus, University of Rwanda, Kigali, Rwanda

www.eaifr.org * info@eaifr.org

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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.

Funding

Candidates for this call are expected to apply for an OWSD scholarship (deadline is 31/March/2020). For further details, see: <https://owsd.net/career-development/phd-fellowship>

Key dates

- PhD application deadline: 11 March, 2020
- Deadline for notification of selection: 20 March, 2020
- Registration and commencement of research: 1 October 2020

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 EAI FR 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.

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- Updated CV and ID or Passport copy
- A proposal of the intended PhD research

How to apply

Send an email with the documents mentioned above to admissions@eaifr.org with a copy to admissions.pgs@ur.ac.rw

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