

SILESIAN UNIVERSITY IN OPAVA

Visiting Position for researcher

Call for Applications

Applications are invited for the visiting position of Researcher at **Institute of Physics (Research Centre of Theoretical Physics and Astrophysics)**, Silesian University in Opava, Czech Republic.

The position is intended to foster the quality of research in the area of Physics carried out at the Silesian University in Opava, to enhance the international dimension of its activities by hosting an outstanding research expert and to support development of the region in applications of advanced computing and data handling in advanced scientific research. It will be financed by the call Vouchers for Universities - Moravian-Silesian Region from the Operational Programme Just Transition. The parameters of the selection procedure are in line with this call.

The researcher is expected to be in residence in Opava for the duration of the position and to contribute to the research activities carried out at the university. There will be no teaching duties associated with the position, however the researcher is expected to take active role in various seminars or conferences organized and to interact with the faculty members and graduate students in his/her area. English is foreseen as the main language of communication. The researcher will have a mentor **prof. RNDr. Zdeněk Stuchlík, CSc.** from the Institute of Physics.

Conditions

Salary: the researcher will receive a monthly remuneration of 54 000 CZK brutto + opportunity for exceptional bonuses. The salary is supposed to cover all expenses.

Employment contract: will be concluded for a fixed term. The duration of the position is 24 months. The starting date is subject to mutual agreement, preferably in November/December 2024.

Working hours: full-time job.

Work benefits

- 6 weeks of paid leave
- flexible working hours
- meal allowance and pension contribution

Requirements

On the starting date of the position the applicant must meet the following requirements:

- hold a Ph.D. (or equivalent) in astrophysics, theoretical physics or a related field while fulfilling one of the following conditions:
 - incoming holders of a Ph.D. degree obtained abroad, of a nationality other than Czech, who are not residents of the Czech Republic or who have not spent more than 12 months in the Czech Republic in the last 36 months;
 - Ph.D. degree holders of Czech nationality who have long-term experience abroad. Long-term foreign experience can be considered to be at least 12 consecutive months out of the last 36 months, either in the form of doctoral studies abroad or employment at a foreign scientific institution, or a combination.
- have authored at least 3 publications in impacted journals in the field of physics or astrophysics;
- experience with analytical and numerical modelling of astrophysical processes;
- experience with numerical simulation of both linear and non-linear systems (e.g. GRRMHD, optical effects, particle-in-cell, ionised plasma, QNM,...), data processing, programming;
- knowledge of general relativity, computational physics and numerical methods.

Applications should include

- a cover letter describing how the applicant can fulfil the objectives of the position;
- professional CV of the applicant, including a list of publications and citations of the applicant's work, grants/projects awarded (as an official grant-holder for his/her institution, not just a team member), conferences with active participation, and description of the applicant's employment during the last 3 years;
- copy of Ph.D. diploma (or its nostrification);
- unless this is already evident from other documents supplied, any additional items needed to prove that the applicant meets the Requirements stipulated above;
- recommendation letter from a foreign institution.

Selection criteria

- professional CV
- publication record
- proposal of the future alignment with the research focus of the Centre
- recommendation letter from a foreign institution

Selected applicants will be invited for an interview.

Warning

The personal data of the job applicant will be processed in accordance with the relevant generally binding legal regulations, in particular the Labour Code, the Employment Act, the Act on the Processing of Personal Data, etc. The personal data thus obtained will not be disclosed or communicated to any third parties and will be used only for the purposes of the selection procedure and the eventual conclusion of an employment contract.

In the event that the candidate is not offered employment, the materials sent to the selection procedure will be returned to him/her; if the materials so sent are returned to the University by the postal service as unclaimed/undeliverable mail, they will be shredded immediately thereafter. Materials received by e-mail or data mail or other similar means will be deleted and will not be backed up or otherwise archived.

Deadlines

Applications should be sent by e-mail to career@physics.slu.cz, no later than **September 22, 2024**.

Applicants will be notified about the result of the application by **October 11, 2024**.