The Institute of Physics of the National Autonomous University of Mexico (UNAM) invites applications for a position equivalent to Associate Researcher C in the following area of physics:

**Complex Systems**

Applicants with experience in experimental or theoretical frontier topics. Of particular interest are the following topics:

- Nonlinear physics, chaos and fractals; complex networks; stochastic dynamics; nonequilibrium thermodynamics and statistical physics; self-organisation and criticality; Econophysics and Sociophysics; Biological Physics; Applications of Machine Learning and Artificial Intelligence in Physics in complex systems physics

Candidates must:

- Have a Ph. D. degree and a strong background in physics or related fields.
- Be younger than 39 years of age for women and 37 years of age for men at the time of appointment.
- Show research experience in the area of research with at least two years after obtaining a Ph. D.
- Have experience appropriate to the level and category of the position and to the proposed research topic, as evidenced by quality work with original contributions.

Candidates are expected to engage in competitive and independent research programmes, teaching at undergraduate and graduate levels, recruitment, supervision and mentoring of undergraduate and graduate students, participation in university service and professional activities, to develop an actively funded research programme of the highest quality. It is encouraged that the proposed research project complements and extends existing research topics at the Institute of Physics (http://www.fisica.unam.mx/). Since UNAM is a public university with a strong commitment to improving access to higher education in Mexico for students from diverse backgrounds. Candidates are expected to have sufficient knowledge of Spanish to begin teaching and reach a fluent level within one year.

Applications should be submitted via the portal http://olimpo.fisica.unam.mx/plazas and should include:

1. The letter must clearly state the applicant’s research area and their motivation to join the faculty of the Institute of Physics. Further, it must express that the candidate agrees to the terms of the present call. Application letter to Prof. Mercedes Rodríguez, Director of the Institute of Physics,
UNAM.

2. A detailed curriculum vitae, including a full list of publications, as well as the applicant’s ORCID ID, SCOPUS Author Identifier and/or Web of Science Researcher ID.

3. A brief statement of the candidate’s contribution to their three most important publications (less than 200 words for each).

4. A brief statement of the candidate’s research achievements (less than 1000 words).

5. A statement of research project for the first 3 years of their appointment and perspectives for the long-term (less than 2000 words).

6. Applicants should provide the names and contact information of 3 references, who will be asked to provide letters of recommendation.

7. Statement on teaching at undergraduate and graduate level in physics, being explicit about the specific lectures to teach (less than 200 words).

All applications should be received by January 10th, 2023.

The search committee will schedule an interview and a seminar for some potential candidates. The position will be tenure-track and begin as early as March 1st, 2024, and no later than June 1st. Salary and benefits will be those established by UNAM, with initial yearly contracts. The UNAM Institute of Physics is particularly interested in candidates who can contribute to the diversity, inclusiveness, and excellence of the academic community through research, teaching, and service as appropriate to the position.

For further information, please contact:
Dr. Saúl Ramos Sánchez
Secretary of the Selection Committee
E-mail: plazas@fisica.unam.mx

Prof. Mercedes Rodríguez Villafuerte
Director
Institute of Physics, UNAM
Ciudad Universitaria, Mexico City, October 9th, 2023