

Researcher Position available at IER-UNAM

The Instituto de Energías Renovables of Universidad Nacional Autónoma de México (IER-UNAM) is seeking to hire promising young researchers who wish to work in Renewable Energy or related topics.

IER-UNAM is one of the leading institutions in the area of renewable energy research in Mexico. Our mission is to carry out research, innovation, teaching, and dissemination of knowledge in the different aspects of energy technology, with particular emphasis on renewables and related topics.

The work of the academic personnel at IER-UNAM is structured around research projects. Researchers are encouraged to freely associate in a dynamical way to carry out their work. Therefore, we highly value initiative, flexibility, and capacity for teamwork. Among the research areas currently developed at IER-UNAM are: solar PV, solar thermal, solar chemistry, wind energy, geothermal, energy storage, hydrogen energy, bioenergy, energy integration, energy sustainability, energy policy, energy in buildings, as well as related areas like, physics of fluids and heat transfer, statistical physics, complex systems, or materials science for energy applications. Applicants may lookup for our researchers and their recent productivity at <http://www.ier.unam.mx/investigacion/#academicos>. Please feel free to contact any of them to get more information on specific research topics.

Job description: The successful applicant is expected to conduct original research in a Renewable Energy area or a related topic, to teach at the graduate and undergraduate level, and to supervise thesis work.

Employment: Full-time job, with yearly contracts, and option for tenure track position.

Location: Temixco (Cuernavaca), Morelos, Mexico

Starting date: Between September and November 2019, by mutual agreement.

Salary: Initial yearly salary (including bonuses) between \$279,000.00 and \$424,000.00 Mexican pesos, depending on academic merits of the applicant. Insurance for major medical expenses is provided. UNAM has a promotion scheme with well defined rules, that allows for continuous improvement on salary, depending on the academic performance and seniority of the personnel. Also, as a member of the academic staff, the researcher will be eligible to apply for an additional yearly stipend by Sistema Nacional de Investigadores (SNI), between \$81,600.00 and \$163,200.00 Mexican pesos, after completing the first year (or earlier if they are already members of SNI).

Requirements: To qualify for the position the applicant must hold a PhD and demonstrate a significant high quality scientific production. Postdoctoral experience is desirable but not mandatory, as well as teaching experience. Knowledge of Spanish is desirable.

Application: The applicant should write (either in Spanish or English) a brief research proposal of three years duration (not more than 5 single spaced pages, 12 pt), on some aspect of Renewable Energy or related topics. Please apply by submitting an application letter, CV, and

research proposal, via the e-mail addresses: sacad@ier.unam.mx or caab@ier.unam.mx, by June 1th, 2019. Content requirements for the CV are enlisted below.

Evaluation: The first stage of the evaluation will be based on the CV and written proposal. The best candidates will be required to pass a second stage of evaluation, consisting on a 45 minute presentation about their proposal and research experience. This can be presented by web meeting or in person, either in Spanish or English.

Important points in the evaluation of candidates proposals will be:

- I. The capacity to extend the R&D areas of the Institute
- II. The pertinence and originality of the proposed work
- III. The capacity to collaborate with different researchers of the Institute
- IV. Quality of the oral presentation

Information: For further information, please contact Dr. Camilo Arancibia, sacad@ier.unam.mx or caab@ier-unam.mx, phone +52 (55)56229721.

Minimum content requirements for the Curriculum Vitae:

(include only those items that apply)

- Full Name.
- Date and place of birth.
- Nationality.
- Academic degrees, including granting institutions, and dates.
- Title of the doctoral Thesis.
- Postdoctoral and other professional experience.
- List of publications in Journals listed in the JCR, with full bibliographic details.
- List of other publications, with full bibliographic details.
- Participation in academic congresses.
- Teaching experience, including institutions and names of courses.
- Thesis supervision experience, including authors, titles, level, and institutions.
- Patents submitted.
- Languages.
- Technical skills.