

Call Research position

The Center for Research and Advanced Studies of the National Polytechnic Institute CINVESTAV at México City, through the Department of Research and Multidisciplinary Studies (DIEM) with Master and PhD programs in Autonomous Air and Submarine Navigation Systems (SANAS), invites to participate in the competition to fill a position as a junior research professor.

The SANAS graduate program aims to generate and apply knowledge and technology to contribute to the development of science at a national and international level, as well as to the training of human resources at the graduate PhD and master level in the areas of Mobile Robots Control, Artificial Intelligence, Autonomous Navigation Vehicles and Exoskeletons for Rehabilitation.

Characteristics and requirements:

CINVESTAV DIEM-SANAS offers a research position to strengthen its lines of research or open a new one. The characteristics of the candidates are the following:

Required Academic Training:

- PhD.
- Postdoctoral experience or equivalent.

Profile:

We are looking for a young researcher with training in Electrical or Electronic Engineering, Automatic Control, or Mechatronics, with a specialty in Robotics to work in autonomous, aerial or submarine vehicles, or exoskeletons, who can carry out scientific research independently, in the following topics:

- Control for mini aerial vehicles, mini submarines or exoskeletons for rehabilitation
- Autonomous navigation using robust controls
- Application of AI in identification or control
- Artificial vision for autonomous navigation
- On-board systems for mini autonomous vehicles

Required experience and skills:

- Experience in research activities reflected in peer-reviewed publications recognized in the JCR Index, with at least one as lead author.
- Experience in the dissemination of scientific knowledge (e.g. academic seminars, popular articles, participation in conferences).
- Experience in laboratory prototypes.

Documents will be received digitally via email and in PDF file format to:

Sergio Salazar-Cruz

Academic Coordinator of the program SANAS DIEM

Email: sesalazar@cinvestav.mx

Deadline: April 30th, 2025