

Centro de Investigación Científica y de Educación Superior de
Ensenada, Baja California.

#TENURE-TRACK POSITION

CENTER FOR SCIENTIFIC RESEARCH AND HIGHER EDUCATION OF
ENSENADA, BAJA CALIFORNIA (CICESE)
Tenure-track position in Seismology

CICESE is a research center funded by the Mexican Federal government through the National Council of Science and Technology (CONACYT). Its Earth Science Division includes research areas related to applied geophysics, geology and seismology. The Department of Seismology invites applications for one tenure-track position.

REQUIREMENTS

a) *Academic qualifications*

- PhD in Earth Sciences or equivalent.

b) *Profile*

- We are seeking a candidate for a research position with experience in any of the areas related to the research lines of the Department of Seismology, which include
 - *Seismotectonics*: seismicity, seismic source, attenuation, computational seismology, and volcanic seismology.
 - *Crustal deformation*: geodesy and seismicity in Baja California, deformation and induced seismicity by anthropogenic activity.
 - *Seismic hazard and risk*.
 - *Engineering seismology*: site response, microzonation, and strong ground motion analysis.
 - *Rock physics*: physics of porous media, and propagation of seismic waves in complex media.
- It is desirable for the candidate to have proficiency in management of large seismological and geodetic databases or expertise in the study of relation of microstructure and physical properties of rocks, including the sensitivity to pressure and temperature conditions.

c) *Capacities*

- The successful candidate must have experience in research in one or more of the research lines of the Department of Seismology. This experience must be demonstrated through recent papers, not older than 5 years, and published in high-impact international journals.



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- Duties include participation in the MSc and PhD programs in Earth Sciences of CICESE: teaching courses, and supervising graduate-student research projects, and theses. Initially teaching in English is acceptable, but the successful candidate should be able to learn Spanish within a reasonable time period.
- The candidate must be willing and able to work in interdisciplinary groups.
- International collaborations, and the capability to obtain funding to finance his (her) research expenses are desirable.
- The applicant must have at least one year of experience as a researcher or post-doctorate after completion of his (her) doctoral degree.

SELECTION PROCEDURE

- The selection procedure adheres to the internal guidelines of CICESE. The pre-selected candidates may be invited to deliver a seminar at CICESE, and to interview with researchers from the Earth Science Division. Then, a Selection Committee will interview them. The seminar and the interviews could be by videoconference if necessary.

SALARY AND CONTRACT

- The position level and salary will be assigned on the basis of the candidate's curriculum vitae and on CICESE's Statute of Academic Personnel. The position is tenure-track but initially the contract is on annual basis. Tenure will depend on the performance of the selected candidate.

Applications must include:

- Cover letter.
- Research proposal that includes some of the objectives of the research areas of the Department of Seismology already mentioned. It is desirable that the proposal include some research topic that can be done using the databases of the CICESE Seismological Network or the CICESE experimental rock physics research facilities.
- Statement of possible classes for teaching.
- Curriculum vitae including publications, teaching experience and projects in which the candidates have participated or have been the Principal Investigators.
- Three reference letters, and three recent relevant scientific products.



Número: 02.CT01.2019

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All applications received will be considered and evaluated according to the procedures of CICESE. Applications reviews will begin immediately and continue until the position is filled. The Internal Technical Advisory Council of CICESE will take the final decision, and applicants will be informed accordingly.

Application (via e-mail) and questions regarding the position must be addressed to: Dr. **J. Antonio Vidal Villegas** (Head, Department of Seismology), vidalv@cicese.mx with copy to Dr. **Luis A. Gallardo Delgado** (Director, Earth Sciences Division), lgallard@cicese.mx

Deadline for reception of documents is May 15th, 2019.

Publication date: February 1, 2019