FACULTY POSITION AT YACHAY TECH UNIVERSITY, ECUADOR:
REMOTE SENSING / GEODESY / ENVIRONMENTAL STUDIES

The School of Earth Sciences, Energy and Environment at Yachay Tech University (Ecuador) invites applicants for a faculty position in the field of Remote Sensing or Geodesy or Environmental Studies. The latest expected start date is June 1st, 2020. We seek applicants with a commitment to teaching, research, and partnership building with research organizations in Ecuador and elsewhere, as well as applicable industries.

The candidate should have a PhD in Geography, Geology or a related field, with relevant experience in remote sensing. Expertise areas such as the following are welcome: automatic mapping and monitoring of features in natural and human environments (such as agricultural, mining and urban environments), InSAR applications to tectonic deformation, volcano and environmental monitoring, photogrammetry applications, remote sensing of plant responses to biotic and abiotic elements in the soil, field phenotyping of crop growth parameters, fertilization and pest status. Prior experience using drones with optical, multispectral and thermal sensors is welcome. The candidate should show a strong publication record and evidence of teaching experience. Previous industry, post-doctoral and/or academic experience will be considered favorably. We particularly encourage applicants with more than 5 years’ experience in academia and an interest in administrative duties.

The candidate will be expected to establish a research program in Remote Sensing as well as to participate in teaching and student advising activities within the School. The main teaching duties are GIS and Remote Sensing. The candidate is also expected to teach more advanced courses such as Photogrammetry, Geodesy, and Advanced Remote Sensing. Classes are taught using the block system (e.g., https://www.coloradocollege.edu/basics/blockplan/). Most of the teaching duties will be carried out in English, therefore the applicant needs to demonstrate a sufficient English language proficiency. Spanish is the working language at Yachay Tech; if the candidate does not speak Spanish, the candidate should have the ambition to learn Spanish.

POSITION RESPONSIBILITIES:

- Teach GIS and Remote Sensing, Geodesy, and Photogrammetry
- Teach other advanced courses
- Establish an active research program
- Seek external research funding
- Mentor undergraduate students’ research projects
- Participate in service activities of the school

APPLICATIONS MUST INCLUDE:

i. Cover letter
ii. Curriculum vitae including list of publications
iii. A research statement including a plan for developing research activities in remote sensing or related fields (but not excluding any existing or future research projects with external collaborators)
iv. A statement of teaching philosophy and prior teaching evaluations if available
v. Contact information of three referees to support the application

SELECTION PROCEDURE

Review of applications will begin February 1st 2020; however, applications will be received until the position is filled. The pre-selected candidates will be interviewed (by videoconference) or may be invited to visit Yachay Tech University to deliver a seminar talk and interact with researchers from the School of Earth Sciences, Energy and Environment.

Application documents must be sent by email to the School of Earth Sciences, Energy and Environment Administrative Assistant Andrea Terán (ateran@yachaytech.edu.ec). Please include the phrase ‘Remote Sensing job application’ in the subject line.

Any other questions regarding the position can be addressed to the Director of the Geology Career in the School of Earth Sciences, Energy and Environment Dr. Elisa Piispa (epiispa@yachaytech.edu.ec).

SALARY

The salary of the position will be assigned on the basis of the candidate’s career stage and curriculum vitae.

ABOUT THE EMPLOYER

Yachay Tech University is a public university in Urcuquí, Imbabura Province, Ecuador. It has been operating since 2014. For more information, please see the following links:

- https://www.yachaytech.edu.ec/

The School of Earth Sciences, Energy and Environment has 12 faculty members with teaching and research fields that include tectonics and structural geology, geophysics, seismology, petroleum geology and basin analysis, petrology and ore deposits, sedimentology and stratigraphy, geochemistry, volcanology, hydrology, surficial processes and sustainable development. We have around 50 students in our undergraduate career and are working on starting a master’s program for spring 2021.