

PROMETEOS REQUIRED IN EARTH AND SPACE SCIENCES

The Ecuadorian Space Institute (IEE), seeks experts to participate in the project: Ecuadorian Satellite for the Observation of the Earth “General Eloy Alfaro Delgado”

<http://www.institutoespacial.gob.ec/>

GENERAL REQUIREMENTS

- To hold a PhD / Doctoral degree
- Reside abroad at the time of application

AREAS OF EXPERTISE

Researcher specialized in Space Law

Ph.D. degree with experience in the regulation of aerospace activities. Publications in the field of Space Law. Participation as a speaker or assistant in the events held in the Committee for the Peaceful Uses of Space (COPUOS). The contribution will be on the development of domestic legal rules, governing the aerospace activities.

Researcher in Technology and Satellite Design

Ph.D. degree in applied physics or engineering areas. Knowledge in Design and Technology Satellite design (satellite configuration, finite element analysis, mechanism development, structural design, materials, design for load control, load changes, sensitivity analysis); engineering systems of space communications and navigation, aerospace engineering.

Researcher in Aerospace Materials

Ph.D. degree in applied Sciences (Physics, Mathematics) or areas of engineering (mechanical, electronics). Knowledge of aerospace materials analysis: static, dynamic and load analysis, fatigue and fracture mechanics, mechanics of materials, resistance testing, heat transfer and thermal effects.

Researcher in Satellite Quality Control

Ph.D. degree in applied Sciences (Physics, Mathematics) or areas of engineering (mechanical, electronics, electronics), with expertise in quality control of satellites (verification planning, structural analysis, mechanical and environmental, quality assurance and configuration control verification, compliance documentation, structural reliability analysis, verification criteria - safety factors, safety margins, monitoring of the fracture test options).

Researcher in Space Missions Risk Management

Ph.D. degree in applied Sciences (Physics, Mathematics) or areas of engineering (mechanical, electronics, electronics) with expertise in correlation models and risk management of space missions.

Researcher in Design of programs for satellites in orbit

Ph.D. degree in applied Sciences (Physics, Mathematics) or areas of engineering (telecommunications and data) with expertise in satellite engineering. Experience in software design for satellites in orbit, control systems, remote control and satellite activities.

Researcher in Satellite Communications

Ph.D. degree in applied Sciences (Physics, Mathematics) or areas of engineering (telecommunications, information technology, aerospace, electronics) with expertise in rx/tx antennas of earth station operation, satellite communications, microwave links, antenna design, interference RF and knowledge of spectrum management.

Researcher in Earth Stations

Ph.D. in applied Sciences (Physics, Mathematics) or areas of engineering (telecommunications, computers, electronics, aerospace) with expertise in earth stations, architecture and operation, satellite engineering. Experience in the design of tx/rx communication, information download, telemetry and control of satellites in LEO (Low Earth Orbit) y MEO (Medium Earth Orbit).

Find more information about Prometeo Project at:

<http://prometeo.educacionsuperior.gob.ec/>

Let us know if you are interested at:

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