

2025 Regional Report

at the **63rd** Virtual UNISEC-Global Meeting

FERNANDO JIMÉNEZ – POC
GIOVANNA RAMÍREZ –Sub POC

COLOMBIA CHAPTER

History of Local Chapter Activities

Chapter establishment in 2022

Activities in the past

- ***Participated in CLTP10-Japan in 2019***



- ***Creation UNISEC Colombia Chapter 2022***



UNISEC-Colombia

- POC: Prof. Jose Fernando Jimenez
- Sub-POC: Giovanna Estefanía Ramirez Ruiz
- Member Universities
 - Los Andes University
 - Jose Fernando Jimenez
 - Science Park of Social Innovation of UNIMINUTO
 - Jair Eduardo Camargo Otavo
 - Colombian School of Engineering University Julio Garavito
 - Hernan Paz Penagos & Guillermo Teuta
 - Sergio Arboleda University
 - Sergio Andrés Sánchez Sanjuán
 - EAN university
 - Andrés Felipe Guarnizo Saavedra
 - Military Aviation School "Marco Fidel Suárez"
 - Héctor Fabio Calvo Valencia

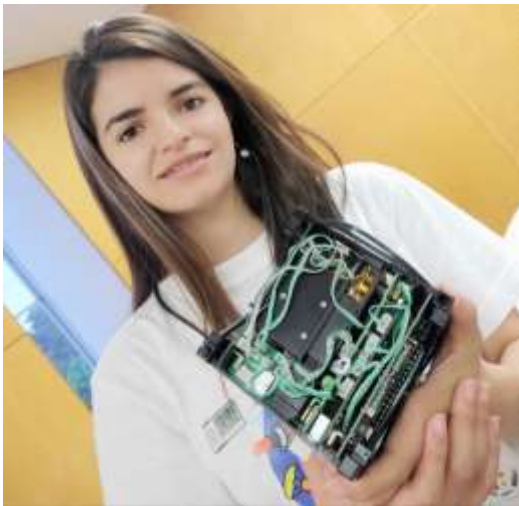




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Participation in CLTP 10,11,12 Tokyo, Japan

4 participants from Colombia **trained to date.**



UNISEC-Global Activities in 2022



**Number of

- Member Universities: 6
- Students: 35 + **24 (Uniandes UNISEC student chapter + SpaceTech student initiative)**
- Professors: 6
- Others (Corporate members, etc.): 8

- Creation of the UNISEC committee in Colombia
- Meetings of the UNISEC Colombia Committee
- New aerospace research projects



Other Colombian Aerospace Activities



CANSAT 2025



ZAGI-RACE 2025



DRONES

The NASA RASC-AL 2026 Competition

Other Colombian Aerospace Activities



OUTREACH



ROCKETRY

**CBU Satellite Systems;
Collaborative On Line
International Training,
on new space systems
concepts: Uniandes-
UdeA-ERAU**

SATELLITES - 2 LECTURES



AVIATION

COLOMBIAN SATELITES

LIBERTAD 1



Abril 17 - 2007
UNIVERSIDAD SERGIO ARBOLEDA

FACSAT 1



Noviembre 28- 2018
FUERZA AÉREA COLOMBIANA

FACSAT 2



Abril 15- 2023
FUERZA AÉREA COLOMBIANA

**FACSAT-3 Constellation (FACSAT-3A, FACSAT-3B and
FACSAT-3C) FUERZA AEROSPACIAL COLOMBIANA
2028**

Exploring a UNISEC Latin America–Africa International Collaboration Program



Participation in the 1st UNISEC-MX International Congress on Cosmonautical Engineering
Nogales, Mexico, Oct 2025



Visit to Stellenbosch University,
South Africa, December 2025

Plan for 2026 and beyond

- Organizing the **7th** version of Cansat Colombia Competition and Training
- Participation in CLTP **15**
- On-going Space Research Projects (ADC System, Anechoic camera, Helmholtz Cage, Centrifuge, Clean room, Thermal-Vacuum chamber)
- Organizing HEPTA-Sat Training in Latin America
- Colombian University Space Program (Qualification Model of a **IoT** Cubesats, Launch Industry)
- Participation KiboCube/J-Cube/**Constellation**

THANK YOU