

## **Curriculum Vitae - Jorge Alberto Soliz Torrico**

Mechanical Engineer / Postgraduate in Aerospace Engineering

Years of Experience: 2 years (Mechanical Eng.), 12 years (Aerospace Eng.)

Mechanical engineer with experience in the metalworking and foundry fields, specializing in aeronautics, mainly aerodynamics, and working in the turbine area. In Aerospace Engineering, he participated in design and construction projects of spacecraft, including pico-satellites, nanosatellites, and the Galactic Suite (space hotel), covering areas from design to project management. He worked on research projects in Spain, Germany, and Colombia for universities and the European Space Agency (ESA). Since the age of 20, he has provided tutoring for high school students and later worked as a lecturer at institutions and universities in Bolivia, Spain, and Colombia on a continuous basis.

Specialization Area: Aeronautics

Universidad Mayor de San Simón

(Cochabamba-Bolivia)

Diploma in Astronomy (2013)

Specialization Area: Observational Astronomy

Universidad Sergio Arboleda

(Bogotá-Colombia)

Diploma of Advanced Studies-DEA in Doctorate in Aerospace Science and Technology (2009)

Specialization Area: Space Science

Universitat Politècnica de Catalunya

(Barcelona-Spain)

Doctoral Program in Aerospace Science and Technology

Specialization Area: Astrodynamics

Universitat Politècnica de Catalunya

(Barcelona-Spain)

Teaching Experience

Private Tutor (1998 - 2000)

Subjects: Mathematics, Physics, and Chemistry (Cochabamba-Bolivia)

Isaac Newton Math Academy (2000 - 2005)

Subjects: Mathematics, Calculus, Physics, Logic, Algebra, and Chemistry (Cochabamba-Bolivia)

"Oasis del Aire" Aviation School (2004 - 2005)

Subjects: Technical Drawing, Aerodynamics, Applied Physics (Cochabamba-Bolivia)

Estudis Valles Academy (2010 - 2011)

Subjects: Physics, Mathematics, and Exam Preparation Courses (Sabadell-Spain)

Universidad Sergio Arboleda (2013 - 2016)

Subjects: Physics, Astronomy, Astrodynamics, Dynamic Systems (Bogotá-Colombia)

Universidad ECCI (2014 - 2015)

Subjects: Materials Science, Statics, Dynamics, Mechanisms (Bogotá-Colombia)

Universidad Privada Boliviana (2017 - Present)

Subjects: Physics I, Physics II, Mechanical Design I, Mechanical Design II, Pre-university Courses  
(Cochabamba-Bolivia)

Personal Information:

Name: Jorge Alberto Soliz Torrico

Date of Birth: January 19, 1978

Nationality: Bolivian

ID Number: 4508068

Phone Number: 62660686

Email: Jorgesoliz@upb.edu

Languages:

Catalan C1

English B2

German A1

Education

Bachelor's Degree in Mechanical Engineering (2005)

Academic Activity

- 10 articles published in international research journals

- 2 articles published in national journals
- 1 book published nationally
- 5 book chapters published by international publishers
- 7 publications resulting from presentations at international congresses (proceedings)

Participation in national and international congresses as a speaker

#### Awards and Recognitions

- STUDY SCHOLARSHIP: "Students from Third World Countries" (Spain)
- RESEARCH PROFICIENCY RECOGNITION: "Doctorate in Aerospace Engineering" (Spain)
- STUDY SCHOLARSHIP: "National Institute of Space Research" INPE (Brazil)
- AWARD: "Global Satellite Tracking Initiative." Space Generation Advisory Council (UN)

#### Memberships

- Member of ASTRONET Group
- Member of Space Generation Advisory Council (United Nations)
- Member of the International Astronautical Federation (IAF)
- Member of IEEE