SPACE EDUCATION AND OUTREACH SYMPOSIUM (E1)
On Track - Undergraduate Space Education (3)

Author: Mr. Diego Adolfo Romero Arias
Colombian Astronautics Association (ASTCOL), Colombia

Mr. Juan Carlos Estupiñan
Colombian Astronautics Association (ASTCOL), Colombia
Prof. Jesús Libardo Acero Cruz
Universidad Pedagogica Nacional, Colombia
Mr. Diego Fernando Salamanca Pardo
Universidad Pedagogica Nacional, Colombia
Mr. Walther Joseph Murcia Jaque
Universidad Pedagogica Nacional, Colombia
Mr. Edwin Alfonso Vargas Bustos
Universidad Pedagogica Nacional, Colombia
Mr. Iván David Mejía Santamaría
Universidad Pedagogica Nacional, Colombia
Ms. Natally Mendez
Colombian Astronautics Association (ASTCOL), Colombia
Mr. Aldo Esteban Sabogal
Colombian Astronautics Association (ASTCOL), Colombia

EEE+18 SPACE EDUCATION PROGRAMM A SUCCESS STORY OF EDUCATIONAL INNOVATION IN COLOMBIA

Abstract

Colombia believes it is a priority to find and create opportunities necessary to bring factors to the classroom with emphasis on the autonomous development of knowledge, interactivity, and teamwork, among many others, and in this way create awareness of the development of aerospace science as being used as a pretext to generate a change in mentality in different individuals that make up society, develop new ways of thinking and to engage them to participate and to be responsible for their own problems, and thus not wait to imitate the forms of development and scope of other countries, but identifying their own paths.

Astronautical Colombian Association (ASTCOL) and the Universidad Pedagógica Nacional of Colombia, specialized in preparing teachers, generated a unique space to teach, promote outreach and develop aerospace science. Taking into account the different areas of knowledge of each student, the future teachers are provided with tools that allows them to develop other educational settings of technology that will be incorporate it in the classroom so they can interact with their students who will be the future of the country.

This paper will discuss the scope, goals and objectives in the training of leaders in aerospace educational communities under the Space Educational program EEE+18 (Undergraduate Space Education) proposed by ASTCOL. Demonstrating how future educators participate in counseling programs, development of Science and Technology proposals that require specific expertise which will have a social, economic and strategic impact in the country's development, enabling individuals of any social condition to have access to the sky that unites them with the developed world, where the only limit is the imagination.