

IAF SPACE EDUCATION AND OUTREACH SYMPOSIUM (E1)
Interactive Presentations - IAF SPACE EDUCATION AND OUTREACH SYMPOSIUM (IP)

Author: Mr. Miguel Angel Sanchez Gamez
Instituto Politécnico Nacional, Mexico, altium.systems@gmail.com

Ms. Brenda Vanessa Ortega Flores
AtoMX Education STEM, Mexico, vanessa.kuradzo@gmail.com

Mr. Federico Arturo Martinez Espinoza
Space Generation Advisory Council (SGAC), Mexico, federico.martineze@gmail.com

APPROACHING LATIN AMERICAN TEENAGERS INTO SPACE

Abstract

One of the main problems faced by private and governmental institutions in Latin America to invest in the development of space science and technology is the lack of information from the population, it is believed that the fact of investing in this sector is only for rich countries, and with the only purpose of reaching the moon, Mars or other planets, without seeking a benefit for our planet.

One of the ways to bring young people to these issues, is through outreach events, such as congresses, workshops, contests, focused on the STEM methodology, and making content accessible to basic educational levels. Currently there are courses that are carried out, such as educational rocketry, CanSats, and the construction of Rover through the Lego platform, to name a few. In this way it is being promoted and people can be informed that the development of space technology, in countries like Mexico, will generate knowledge, not only in this area, it will help to develop our potential in diverse areas of science and technology.

Through cooperation between universities in the center and northeastern area of Mexico, we want to implement the STEM system. With the idea to use a digital platform will be assisted in addition to experts in aerospace, this with the aim of giving curricula as well as management and administration of times to give workshops and courses, in order to have the approach with this sector of the academic population due to the great importance that comes to have the inclusion mainly in science and technology issues as an opportunity for the progress and improvement.

A strategy is planned in collaboration with the private sector taking into consideration the spatial clusters, in addition to being in charge of the orientation and support, both informative and in kind, with the Mexican Space Agency and CONACYT, which are highly relevant organizations. to give recognition and vericity of the work done.

In the first instance, promotion is sought in the national territory of Mexico, and later, as mentioned, with the use of the platform that may have the option of a web application or a mobile app, it offers the opportunity to adolescents from Latin America, this also allowing the opportunity for multidisciplinary participation links and agreements with other public and private organizations