

Activity Report

UNISEC-local: Mexico
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Overview

The Third National Competition of Educational CanSat Pico-Satellites was held in the Instituto Tecnológico Superior de Tepeaca (Tepeaca Technology Institute located at Tepeaca City).

At the opening ceremony, the director of the institution, José Luis Contreras Coeto, congratulated all the teams of participants and called them and their institutions to continue be interested in this kind of competitions where the talent of Mexicans can be demonstrated. The director of the institution indicated that since he started as director of the Tecnológico de Tepeaca, he promoted the development of teams of students that wanted compete in this kind of events. He also thanked UNISEC Mexico for its demonstrated support about the event organization and for having selected the institution for being venue of the competition.

Phd. Bárbara Bermúdez Reyes secretary of UNISEC Mexico, thanked to the Instituto Tecnológico de Tepeaca for its support in the achievement of this competence that serves the development of young people interested in the field of aeronautics and mainly to develop the talent of mexicans.

The convocatory of the event contained two categories: telemetry and comeback.

The contest was held in the sport area of the institution, started at 9:00 a.m. and ended at 6 p.m. During the event the different CanSat could be observed while competing, and were raised about 50 meters using a drone of six propellers of the institution. During the fall each of the CanSat executed the mission for which they were designed.

Date and Venue

Announcement Date	April 27th, 2017
Event Date	October 27th, 2017
Venue	Instituto Tecnológico Superior de Tepeaca

Participation

Total number of participants **43**
Category of Participants Students Engineers/Instructors Both
International Participants No Yes
If yes, how many international participants were attended the activity?

Sponsors

Quálitás Tepeaca <https://www.qualitas.com.mx/web/qmx/inicio>
Yamaha Tepeaca <http://www.yamaha-motor.com.mx/distribuidores.php?estado=Puebla>
Pinturerías Comex Tepeaca <http://www.pinturerias.com.mx/>
MabStone <http://www.mabstone.com/>

Participants Group Photo



Results and Conclusion

This contest allowed to corroborate the increase in the formation of human resources in Mexico and to continue planning more competitions and similar events to spread the science and space technology.

The winning teams of the third first places for the telemetry category were:

1. GALÁCTICS with its CanSat "WashiSat" from the Instituto Tecnológico Superior de Tepeaca.
2. Nauhi Ocelotl with his CanSat "NN-1" from the Instituto Tecnológico de Puebla.
3. ATENEA-SAT with its CanSat "PEGASO" from the Universidad Tecnológica de Altamira.

The winning team of the first place for the comeback category:

1. GALÁCTICS with its CanSat "EagleSat V2.0" from the Instituto Tecnológico Superior de Tepeaca.