Paper ID: 66512
oral

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

Author: Mr. Sajjad Ghazanfarinia
Iran, ghazanfarinia@nano.co.ir

FASTRATOPLAT, SHORT TIME PROGRAM TO PROVIDE OPERATION EXPERIENCE TO STUDENTS' TEAM PROJECTS

Abstract

Experiencing the Space System Operation is the most effective program for Student Space Education. Having review the real mission data, students may find about the result of the system they have designed in practice and learn lessons which may be required for the future projects. FastratoPlat is a Platform which supports Payloads and Systems developed by student teams from beginners to seniors. These systems can be launched to Stratosphere and be tested for a dedicated time in Near Space environment and there will be a comprehensive report about their test based on data and images taken from the flight. During the flights which have been done up now, different systems from PongSat (a simple system in PingPong ball) to Cubesat Subsystems have been tested and verified. This paper tries to present some details about this Platform, with notes on the supports provided and the verification system. Also, there will be a review on some of the tests and the results and reports. This article prepares the very first step to guide the education programs for more effectiveness and more relation to the true life cycle of Space Systems Development. These experiences may be applied to space emerging countries with similar tenders for space education.