

Nano-satellites

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Abstract

In RECENT years, the nano-satellite market has been growing tremendously with the continued utilization of the CubeSat standard as a major low cost framework. The low-cost nano/microsatellite (1-50kg) segment is expected to experience 23.8 % yearly increase over the period 2014-2020. As much as 424 new nano-satellites are expected to be launched by the end of 2018. In this talk I will address some of the technical, logistical, and administrative challenges facing the launch of a new satellite drawing on the experience of mission MASAT1, the first Moroccan Cubesat mission to be launched 2018. Particular attention will be given to the communication and the onboard computing subsystems.