

OreSat Mission Planning with Eclipse Papyrus SysML

Friday, 10 December 2021 17:20 (20 minutes)

This talk gives an overview of OreSat from a mission planning perspective. We'll discuss the factors that go into educational CubeSat mission planning, and show how the Eclipse Papyrus SysML (specifically v1.6) add-on can be used to track mission requirements and to aid in the analysis and design of the mission architecture leading to a Concept of Operations and other important early-phase documents. The presentation will be focused on the products of a workflow that will be available to interested parties via an open source tutorial to be published on the OreSat GitHub account.

Primary author: RUSHFORD, Risto (Portland State Aerospace Society)

Session Classification: Talks