European Lunar Symposium 2020

Report of Contributions

Contribution ID: **1** Type: **not specified**

First Stage Rocket Simulator - Abstract by Rajan Singh (India)

Wednesday, 13 May 2020 16:27 (3 minutes)

Demonstrated schema of Rocket Modelling, applied physics, Launch followed by First stage separation & disposal of Cryogenic boosters.

Successful simulation of Falcon 9 First Stage Rocket based on SpaceX CRS-17 mission data in real time.

Telemetry upload into Rocket schema by custom inputs to design Rocket Flight Plan & its calculated execution.

Identification of potential errors in flight design within simulator.

Simulated a virtual view of Rocket Flight mission control based on applied aerodynamics,telemetry & Interstellar science.

Presenter: Mr SINGH, Rajan (ELS 2020 Participant)